BASIC COMPUTER SKILLS LABORATORY

BY

DR. Asmaa Mohamed El-Saieed

EXERCISE 1

PROCEDURE TO CREATE PERSONAL LETTER:

1. Open **MS Office 2007**– **MS Word** – **File** – **New**.

2. Go to **Tool-Letters and mailings-Letter Wizard**- Under **Letter Format** tab tick **Date Line**- Select the **Date Format**- a **Page Design** and **Letter Style.**

3. Click on **Recipient Info** Tab-Enter the **Recipient's name** (and Address if necessary) - Select **Informal** Option.

4. Click **Sender Info** Tab- Enter the **Sender's Name** (and address if necessary) - click **ok.**

5. Now you will get Date, Recipient name and Sender's name along with a selected text **"Type your text here"**- Start writing your massage in this area.

6. If you want to align Date to the right of the page then select the date and click **Align right** button in the **standard tool bar**.

OUTPUT

PERSONAL LETTER

Dear Eman

By the grace of almighty, I am fine here. I hope you are also fine there.
My semester exam stars from 11th November that is this month end. I am very much confident that I will get good marks in this exam and I am working very hard for that.

Then how is your study going on? I know you are very well in studies.
When is your exam? After your exam please come home. I will be waiting to meet you. I have many doubts regarding mathematics which I wanted to clarify from you.

Please do write a letter

Your loving brother
John

EXERCISE 2

PROCEDURE TO CREATE COMPANY LETTER HEAD:

1. Open **MS Office-MS Word** – **File** – **New**.

2. Go to **View- Header and Footer-** Type the complete address of a company.

3. Select the Text and click **align right** on the standard tool bar.

4. In order to insert the company logo (create a logo using paint software and save it or use the existing one) inside the header go to **Insert- Picture-From File**-and browse for the required Picture/file/logo where you have saved – click **Insert.**

6. After inserting the logo/image resize the logo to fit the top left corner of the page by right clicking on the logo, go to **Format Picture** – select **Layout** tab – select the **Wrapping Style** to **Infront of text**- click **ok**.

7.To insert a Line go to **Insert- picture- Auto shapes**- Select the line and draw below the Logo and the address inside the header.

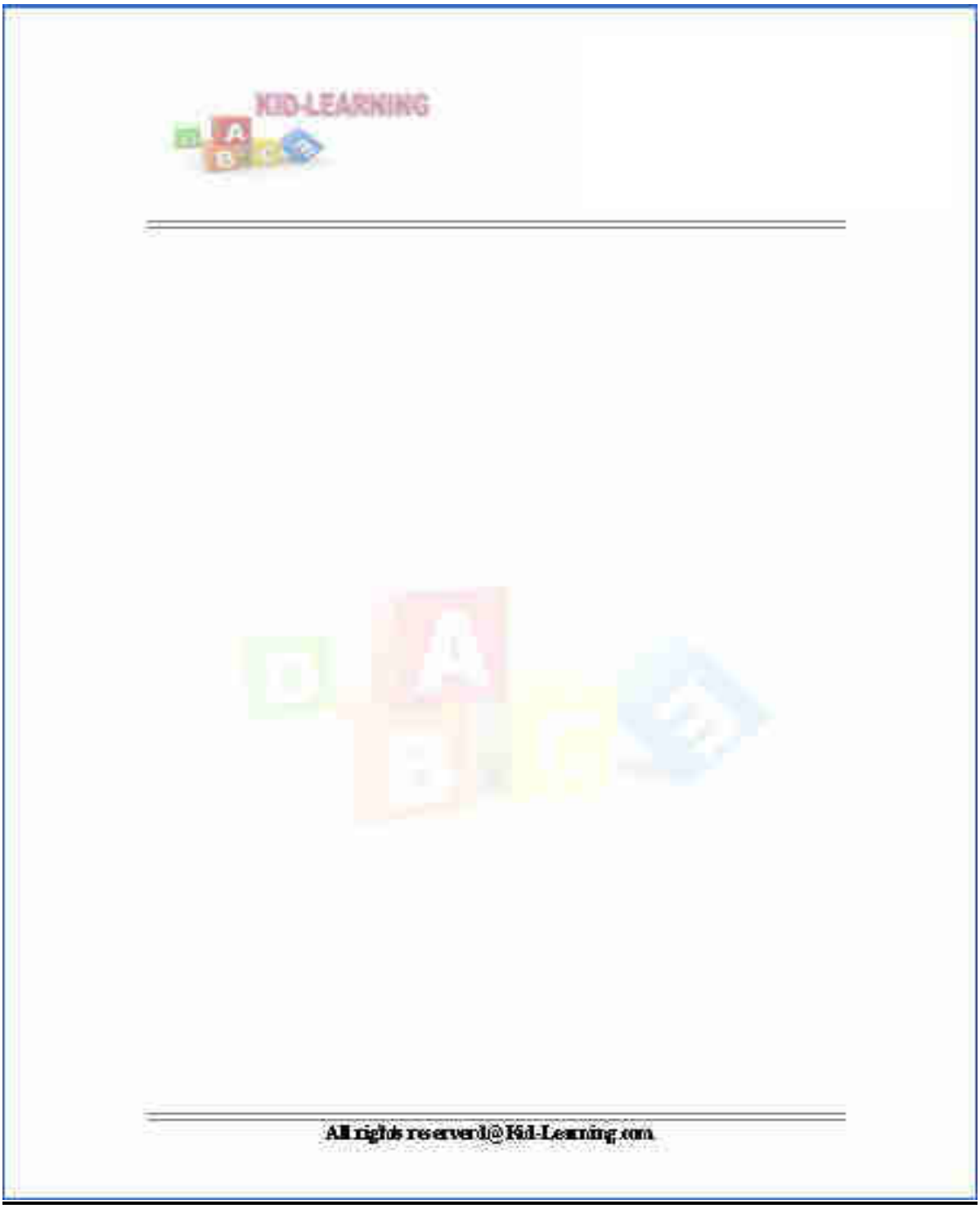
8. Format the line by Right clicking and selecting **Format Auto shape**- select the **Color and Line** tab- chose your style- click **ok.**

9. Then go to the footer- Insert and format a line as did for header.

10. Type the text inside the footer and below the line.

11. Go to **Format-Background-Printed Watermark-Picture Mark**-Click **Select Picture**- Browse for the required background- click **Washout-Apply- Ok**

OUTPUT



EXERCISE 3

PROCEDURE TO CREATE SIMPLE NEWS LETTER:

1. Open **MS Office-MS Word** – **File** – **New** - Type the heading

2. When ever you want to change the number of columns then go to

Insert – **Break** - Select the section break type as **continuous** - Click **OK**

3. Go to **Format** – **Column** - select the number of columns u want and click **ok.**

4. Type news and when ever you need curser in the next column then go to

Insert - Break- now select **Column Break** – click **Ok.**

5. If you want picture to be inserted then go to **Insert- Picture-From file**- and

browse for the required picture/file-then click I**nsert**

6. Format the text by changing the font size and color by selecting the

required text and chose font size, style and color in the formatting tool bar

below the menu.

7. Formatting text can also be done by selecting the text and applying the

Wordart. For that go to I**nsert- Picture-Wordart-** then chose the style u

Want and click **Ok**. To change the color of the wordart text, right click on

the text and go to **Format Wordart.**

OUTPUT

October Second, Celebration of Gandhi Jayanti

Gandhi Jayanti is a National Holiday celebrated in India to mark the occasion of the birthday of Mahatma Gandhi, the "Father of the Nation". He was born on October 2, 1869. Hence Gandhi Jayanti is celebrated every year on the 2nd of October. It is one of the three official declared National Holidays of India and is observed in all Indian states and union territories. The United Nations General Assembly announced on 15 June 2007 that it adopted a resolution which declared that the 2nd of October will be celebrated as the International Day of Non-Violence.[1]

On this day, in India, liquor is neither sold nor consumed in his honour.

Some of the famous quotes by Mahatma Gandhi have been listed below :

Live as if you were to die tomorrow. Learn as if you were to live forever.

Fear is not a disease of the body; fear kills the soul.

Computers have Become the part of Life

Computers have come a long way spanning all work areas and influencing every one to become computer literate irrespective of the profession they are in. A thorough knowledge of computer has become a prerequisite for any job. Computers are now being used in each and every field of science, engineering and technology. On an average almost every day an organization or a company is being computerized!

Computers are being used in banks, transport corporations, Finance Institutions, Schools, Colleges, Factories, Grocery shops, Post offices and at many other organization.

New DTE website

Director of technical Education, Bangalore has launched a new website for its users.

Users are requested to go through the following website for more information.

http://dte.karnic.in.

EXERCISE 4

PROCEDURES TO CREATE A MEMO:

1. Open **MS Office-MS Word** – **File** – **New**

2. Go to **View- Header and Footer**- Insert the Institution name/code in the Header.

3. Go to **Insert- Page Number**-select the position **bottom of the page** and Alignment to **Center** – Click **Ok.**

4. Type the content. Go to **File- Page Setup- Margin** tab**-** adjust left, right, top, bottom margins – click **ok.**

5. Use Standard tool bar to align the text to the left, right and center of the page.

6. Place the cursor where you want to insert the date then go to **Insert- Date and Time**- Chose in the **Available Formats**- Click **Ok.**

OUTPUT

CPCP

GOVERNMENT OF KARNATAKA
DEPARTMEN OF TECHNICAL EDUCATION

No: cpcp/est/2010-2011/156

office of the principal Gr II
Govt Polytechnic,
Gulbarga ,Dated: 5-Oct-10

MEMO

All the staff members and students of the polytechnic are hereby informed to participate and celebrate the **"INDEPENDENCE DAY"** at 8:00 am on 15th Aug 2010 without fail.

Sd

PRINICIPAL GR II

To
All the staff Members.
All the Students

1

EXERCISE 5

PROCEDURES TO CREATE A RESUME:

1. Open **MS Office-MS Word** – **File** – **New**

2. Go to **View- Header and Footer**- Type name, mobile number inside the Header

3. Go to **Insert- Page Number**-select the position **bottom of the page** and Alignment to **Center** – Click **Ok.**

4. Go to **Table-Insert-Table**- chose **Number of Columns** 2 and **Rows** to 1. Enter the name, format it (bold and increase the font size via standard tool Bar). And in the second column type the whole address.

5. When ever you want to increase the number of column in the existing row, Select that row and go to **Table**-click **Split Cells**- enter number of columns- click **Ok.**

6. In order to decrease the existing column numbers, select that columns and Go to **Tables**- click **Merge cells.**

7. Finally type the declaration out side the table with your name aligning right side and date to the left side.

OUTPUT

Mr. John Smith (M) +0898889324 (Email) John_smith@yahoo.com

Mr. JOHN SMITH	**Address**: # 25678, Newman Complex Bright Stall road New York- 009384239 **Mobile**: +0898889324 **Email**: John_smith@yahoo.com

Career Objective

Seeking a challenging work in your company and look forward to contribute to the company's growth and success and thereby make a good start to my career.

Personal Attributes

A desire to learn, able to be creative, pursues adaptability, updates with contemporary trends, hard working, dedicated.

Educational Qualifications

SL No	Class	Institution/University		% of Marks	Year
1	BE in CS	Oxford University	London	89	2010
2	Diploma In CS	Goodrich Institution	New York	91	2007
3	SSLC	Newman institution	New York	97	2004

1

Personal Details:	
Name	Mr. John Smith
Date of Birth	02- oct-1990
Hobbies	Reading books and Listening to Music
Permanent Address	Address: # 25678, Newman Complex Bright Stall road New York - 009 384 239
E-mail	John_smith@yahoo.com
Contact Numbers	Mobile: +0898889324
Languages Known	English, French.

DECLARATION

I hereby declare that all the declarations made above are true to the best of my knowledge.

Place: New York Mr. John Smith

EXERCISE 6

PROCEDURE TO CREATE GREETING CARD:

1. Open **MS Office-MS Word** – **File** – **New**

2. Keep the cursor where you want to insert a picture and then go to **Insert-Picture-From file**-and browse for the required picture/file-then click **insert.**

3. In order to insert text on the picture go to **Insert-Text box**-and draw it on the page. Enter the required text and Format the text by selecting the required text and choosing font size, style and Color in the formatting tool bar below the menu.

4. Select the text box and drag it on to the picture. Place it where ever you want.

5. Select the text box on the picture and go to **Format Text box** –select the **Color and lines** Tab- Make **Fill Color** to **Nil** and **Transparency** to **100%.**

6. Make L**ine Color** to **No Line** –click **Ok.**

7. Go to the **Format- Border and Shading**- Select the **Border** tab and the style and color of your choice-click **OK.**

OUTPUT

EXERCISE 7

PROCEDURES TO CREATE A COVER PAGE OF A PROJECT REPORT:

1. Open **MS Office-MS Word** – **File** – New

2. Type university name, project title, guide name etc line by line. Select the text and click align center on the standard tool bar. Keep the cursor where you want to insert the institution logo and then go to **Insert-Picture-From File**-and browse for the required picture/file - then click **insert.**

3. Format the title of your project by selecting and applying the Wordart. For that go to I**nsert- Picture-Wordart-** then chose the style you Want and click **Ok**. To change the color of the wordart text, right click on the text and go to **Format Wordart-** chose the color- click **ok**

7. In order to insert the border for your project cover page Go to the **Format**-

Border and Shading- Select the **Border** tab and the style and color of your choice-click **OK.**

OUTPUT

BASIC COMPUTER SKILL LAB

MINI PROJECT REPORT

Submitted in partial fulfillment of the requirement for the award of

FIRST SEMESTER DIPLOMA IN INFORMATION SCIENCE AND ENGINEERING

By the board of Technical Education, Bangalore

Submitted By

XYZ

Guided By

SAVITHA R

Lecturer, Information Science Dept.

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
GOVT. POLYTECHNIC, GULBARGA

EXERCISE 8

PROCEDURES TO CREATE A SIMPLE PRESENTATION TO LIST SIMPLE DOS COMMANDS, HARDWARE, SOFTWARE:

1. Open **MS Office-MS Power Point** – **File** – **New - Blank Presentation**

2. Click the **Other Task Panes** drop down menu- tick **Slide Layout**- Select the Layout you want.

3. Click the **Other Task Panes** drop down menu- tick **Slide Design** – Select the Design of your choice.

4. Click on the slide to type the text- **align** the text using **standard tool bar**.

5. In order to insert new slide –go to **Insert** - New **Slide**-Type your text.

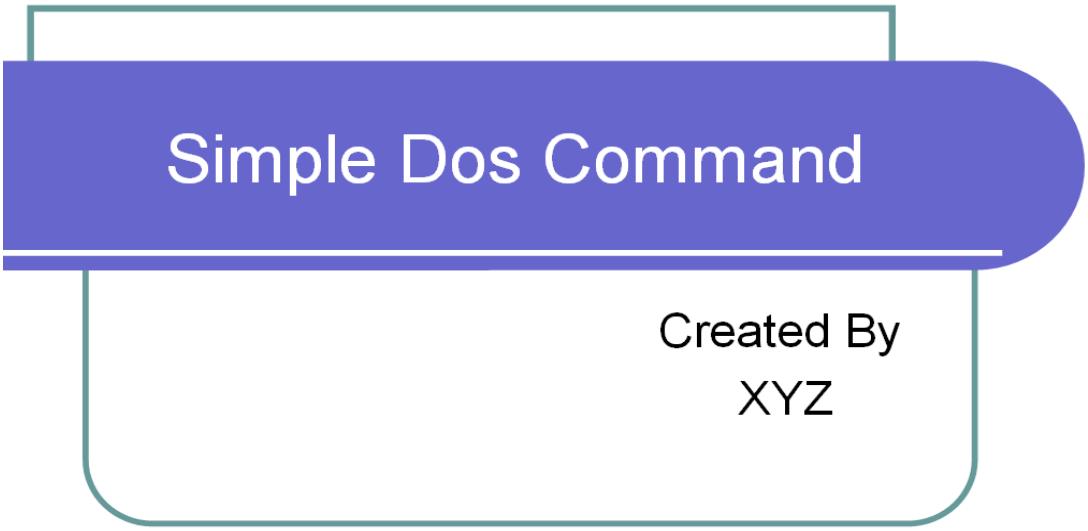
6. Each slide may have the different slide layouts depending on the content.

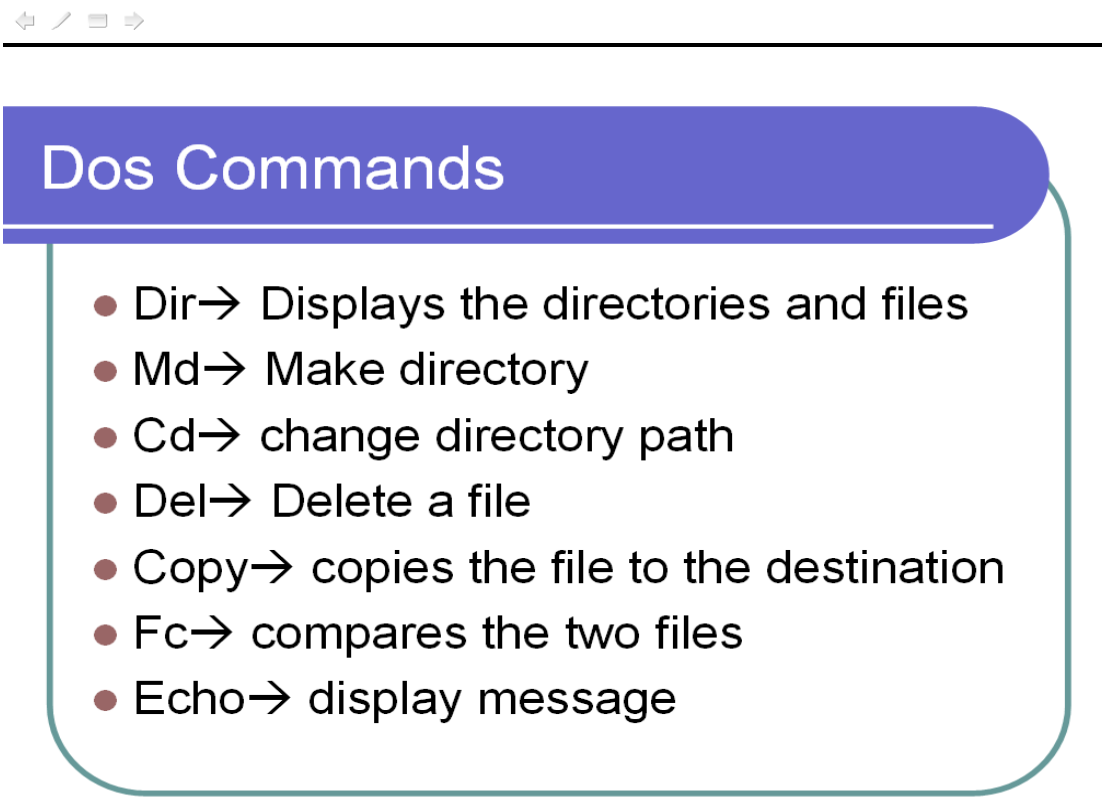
7. After creating all the slides- By holding Ctrl key select all the slides- go to **Slide show** - **Slide transition**- the transition- select **speed** to **minimum** – tick **Automatically after** and enter the **time** of interval for each slide to appear in slide show- Click **Apply to all the slide**.

8. You can also use **Custom animation** to apply animation to the Text/Content, for that select the object- go to **Slide Show**- **Custom animation-** click **add effect**- choose the style.

9. Finally go to **Slide Show**- **view Show**

OUTPUT


Simple Dos Command
Created By
XYZ


Dos Commands
Dir→ Displays the directories and files
Md→ Make directory
Cd→ change directory path
Del→ Delete a file
Copy→ copies the file to the destination
Fc→ compares the two files
Echo→ display message

Computer Hardware

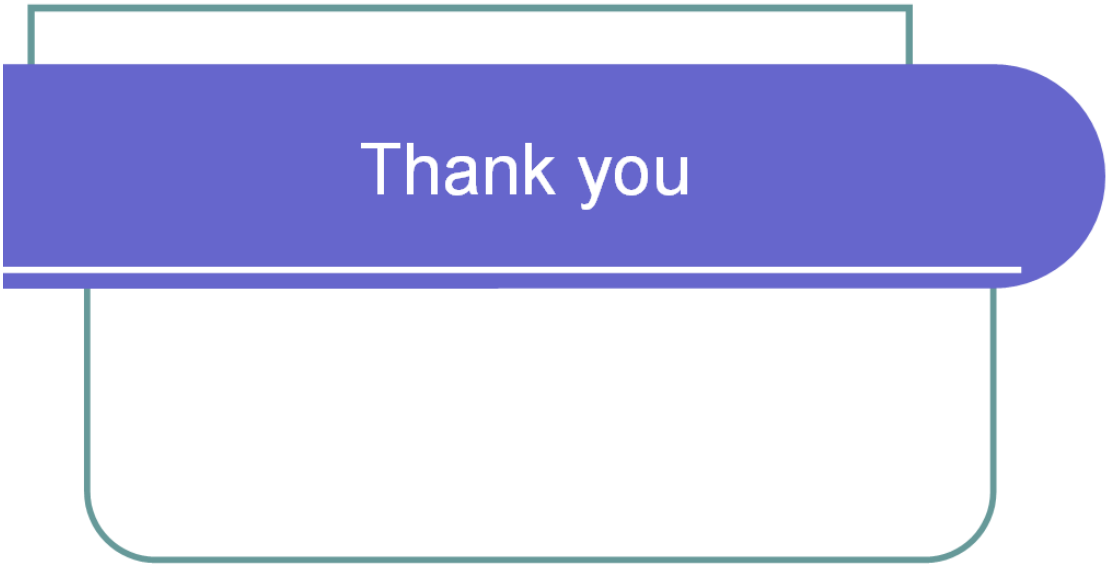
Hardware

- Keyboard
- Mouse
- Monitor
- Hard disk
- Processor
- Memory chip

Computer Software

Software

- Operating System
- Device drivers
- Compiler
- Linker
- Loader
- Interpreter
- Assembler


Thank you

EXERCISE 9

PROCEDURES TO CREATE A WORKSHEET WITH 4 COLUMNS, ENTER 10 RECORDS AND FIND THE SUM OF ALL COLUMNS:

1. Open **MS Office-MS Excel** – **File** – **New**

2. Select 3 column and 3 rows at the center of the beginning- **right click**- **Format cells** - click select the **alignment tab**- tick **Merge cells** option- **ok**- Type the Heading.

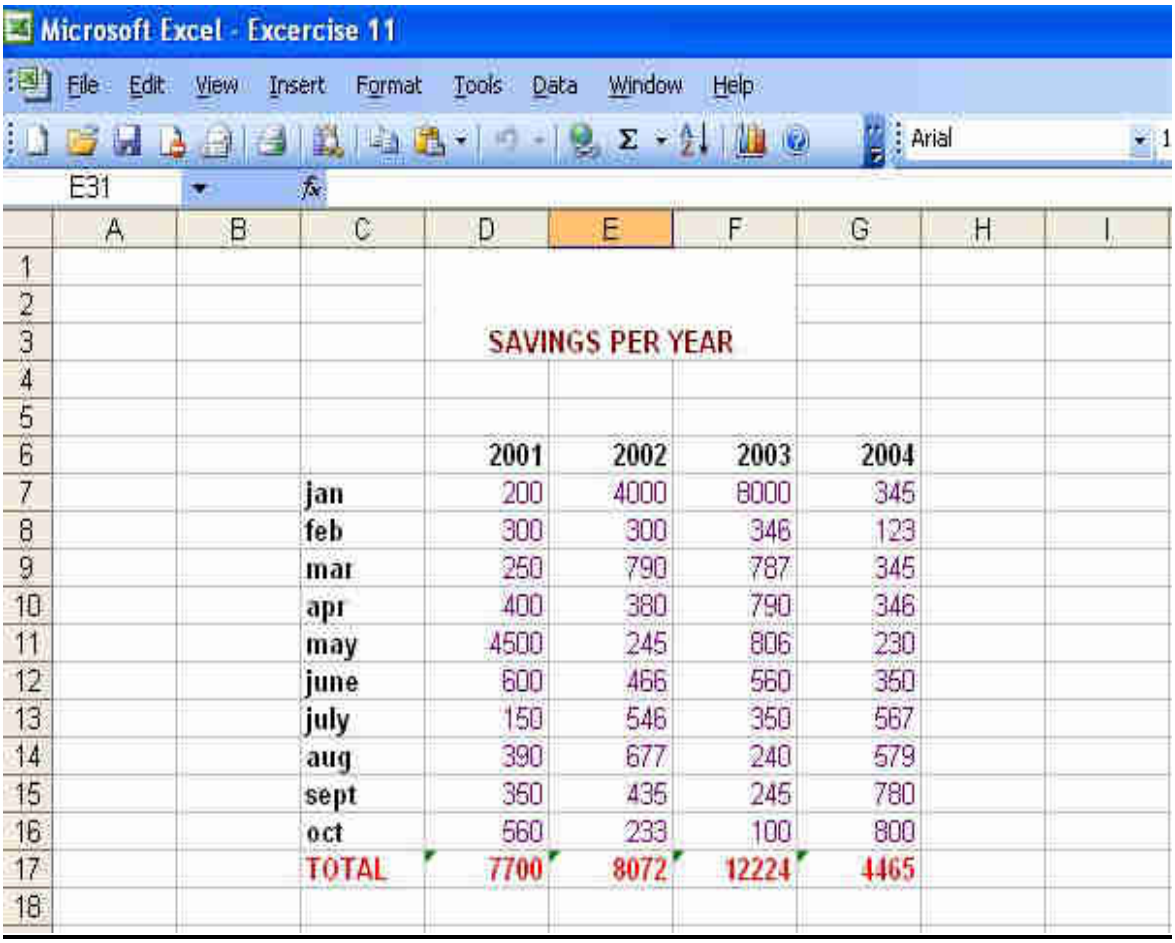
3. Enter the 4 column Heading and 10 row heading by clicking the cursor on to the particular cell.

4. Enter the data for the 4 columns.

5. Select the first column whole data, except the heading and click ∑ **(auto sum)** in the **standard tool bar**- this will add the column's data and places the result at the end.

6. Repeat the same for remaining 3 columns.

OUTPUT



	A	B	C	D	E	F	G	H	I
1									
2									
3				SAVINGS PER YEAR					
4									
5									
6				2001	2002	2003	2004		
7			jan	200	4000	8000	345		
8			feb	300	300	346	123		
9			mar	250	790	787	345		
10			apr	400	380	790	346		
11			may	4500	245	806	230		
12			june	600	466	560	350		
13			july	150	546	350	567		
14			aug	390	677	240	579		
15			sept	350	435	245	780		
16			oct	560	233	100	800		
17			TOTAL	7700	8072	12224	4465		
18									

EXERCISE 10

PROCEDURES TO CREATE A REPORT CONTAINING THE PAY DETAILS OF THE EMPLOYEE:

1. Open **MS Office-MS Excel** – **File** – **New**

2. Select few column and few rows at the center of the beginning- **right Click- Format cells** - click select the **alignment tab**- tick **Merge cells** option- **ok**-Type the Heading.

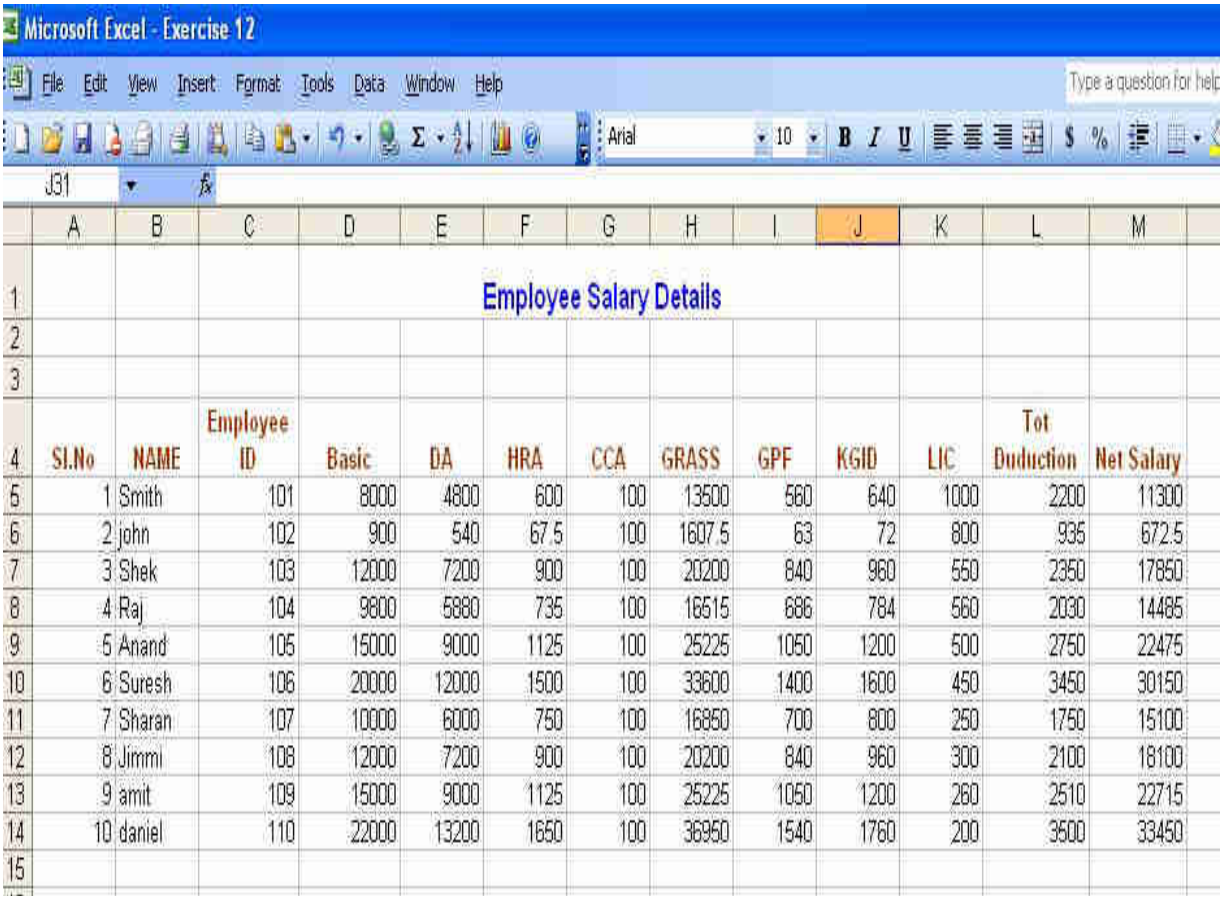
3. Enter the column Headings. Enter the data of following columns manually Sl No, Name, Employee Id, Basic, CCA (100 for all the employee) and LIC.

4. Enter the following formula to calculate the respective values.

DA (60% of BASIC)	=D5*0.6
HRA (7.5% of BASIC)	=D5*0.075
Gross	=SUM (D5:G5) or D5+E5+F5+G5
GPF (7% of BASIC)	=D5*0.07
KGID (8% of BASIC)	=D5*0.08
Tot Deduction	=SUM (I5:K5) or I5+J5+K5
Net Salary	=H5-L5

5. After Writing each formula select the cell and drag to the entire column to apply.

OUTPUT



Employee Salary Details

Sl.No	NAME	Employee ID	Basic	DA	HRA	CCA	GRASS	GPF	KGID	LIC	Tot Duduction	Net Salary
1	Smith	101	8000	4800	600	100	13500	560	640	1000	2200	11300
2	john	102	900	540	67.5	100	1607.5	63	72	800	935	672.5
3	Shek	103	12000	7200	900	100	20200	840	960	550	2350	17850
4	Raj	104	9800	5880	735	100	16515	686	784	560	2030	14485
5	Anand	105	15000	9000	1125	100	25225	1050	1200	500	2750	22475
6	Suresh	106	20000	12000	1500	100	33600	1400	1600	450	3450	30150
7	Sharan	107	10000	6000	750	100	16850	700	800	250	1750	15100
8	Jimmi	108	12000	7200	900	100	20200	840	960	300	2100	18100
9	amit	109	15000	9000	1125	100	25225	1050	1200	260	2510	22715
10	daniel	110	22000	13200	1650	100	36950	1540	1760	200	3500	33450

EXERCISE 11

PROCEDURES TO CREATE A STUDENT RESULT SHEET:

1. Open **MS Office-MS Excel** – **File** – **New**

2. Select few column and few rows at the center of the beginning- **right Click- Format cells** - click select the **alignment tab**- tick **Merge cells** option- **ok**-Type the Heading.

3. Enter the column Headings. Enter the data of following columns manually Sl No, Regno, Name, Science, Maths, English and BCS.

4. Enter the following formula to calculate the respective values.

Total =SUM (D5:G5)

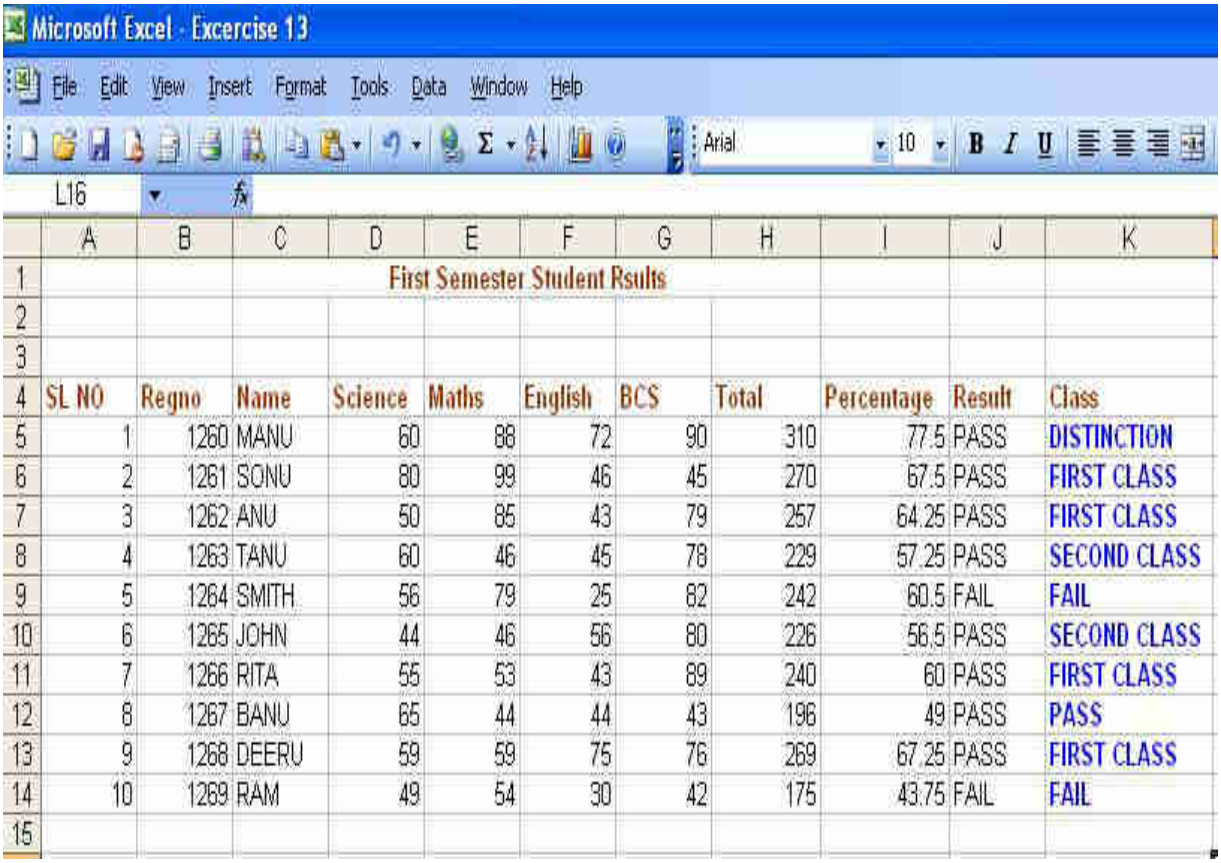
Percentage =H5/4

Result =IF(AND(D5>=35,E5>=35,F5>=35,G5>=35),"PASS","FAIL")

Class =IF (J5="PASS", IF (I5>=75,"DISTINCTION",
IF (I5>=60,"FIRST CLASS",
IF (I5>=50,"SECOND CLASS",
IF (I5>=35,"PASS")))),"FAIL")

5. After Writing each formula select the cell and drag to the entire column to apply.

OUTPUT



	A	B	C	D	E	F	G	H	I	J	K
1				First Semester Student Rsults							
2											
3											
4	SL NO	Regno	Name	Science	Maths	English	BCS	Total	Percentage	Result	Class
5	1	1260	MANU	60	88	72	90	310	77.5	PASS	DISTINCTION
6	2	1261	SONU	80	99	46	45	270	67.5	PASS	FIRST CLASS
7	3	1262	ANU	50	85	43	79	257	64.25	PASS	FIRST CLASS
8	4	1263	TANU	60	46	45	78	229	57.25	PASS	SECOND CLASS
9	5	1264	SMITH	56	79	25	82	242	60.5	FAIL	FAIL
10	6	1265	JOHN	44	46	56	80	226	56.5	PASS	SECOND CLASS
11	7	1266	RITA	55	53	43	89	240	60	PASS	FIRST CLASS
12	8	1267	BANU	65	44	44	43	196	49	PASS	PASS
13	9	1268	DEERU	59	59	75	76	269	67.25	PASS	FIRST CLASS
14	10	1269	RAM	49	54	30	42	175	43.75	FAIL	FAIL
15											

EXERCISE 12

PROCEDURES TO CREATE A SIMPLE BAR CHART TO HIGH LIGHT THE SALES OF A COMPANY FOR 3 DIFFERENT PERIODS:

1. Open **MS Office -- MS Excel** – **File** – **New**

2. Select few column and few rows at the center of the beginning- **right**

Click- Format cells - click select the **alignment tab**- tick **Merge cells**

option- **ok**-Type the Heading.

3. Enter the column Heading and row heading. Enter the data in each

Column.

4. Select the complete row and column data including the header.

5. Go to **Insert**- **Chart**-**Bars**-Select the Chart Type - Custom **type**- Select

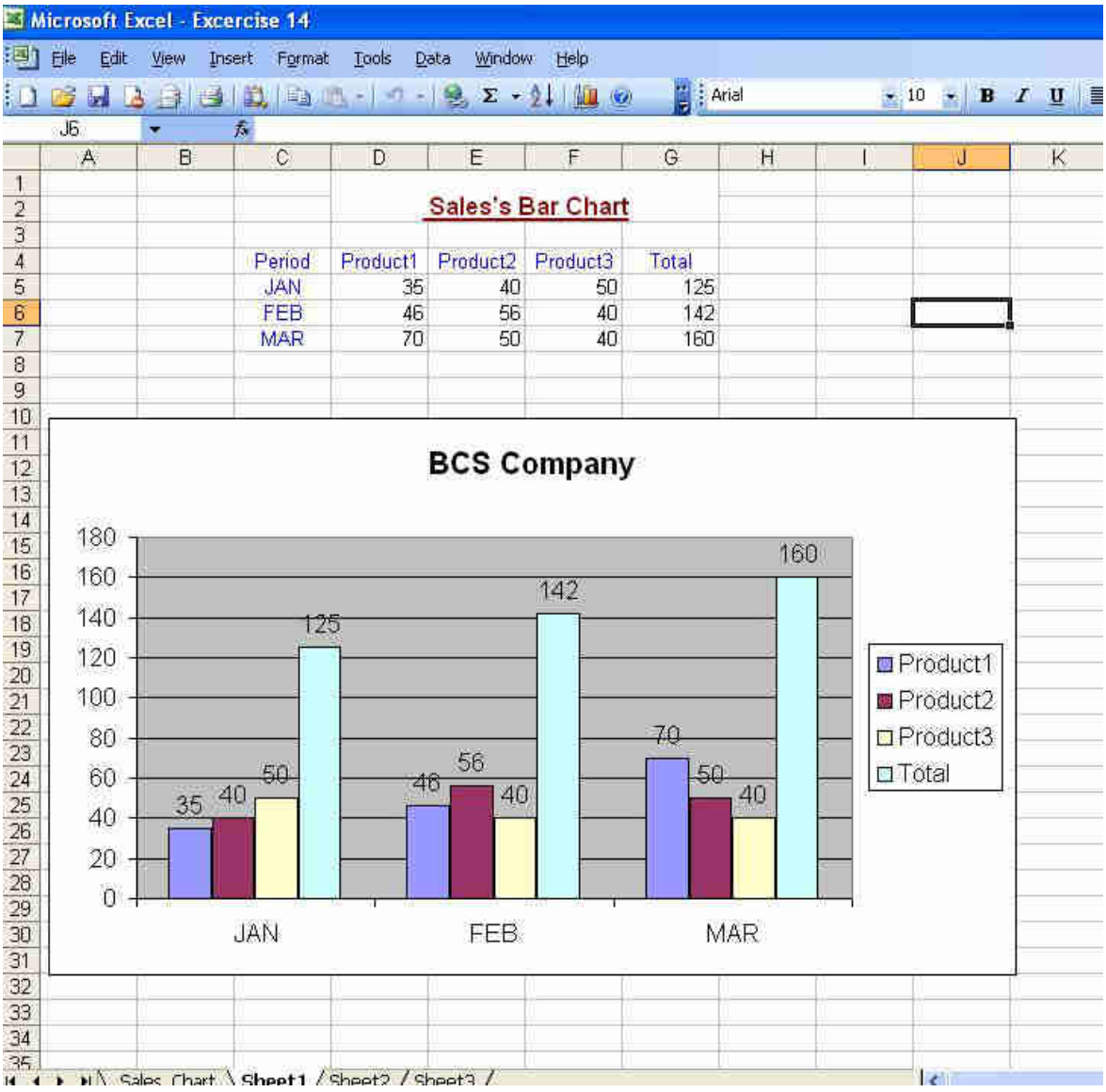
the type- **Next**- Select **Column** - **next** – under T**itle** give the Heading at

Chart title – under **Axes** chose the **Primary axis** – under **Legends** chose the

Placement – under **Data labels** chose **value**- **next**- select the **place chart**-

Finish.

OUTPUT


Microsoft Excel - Excercise 14
File Edit View Insert Format Tools Data Window Help
Arial 10
J6
Sales's Bar Chart
Period Product1 Product2 Product3 Total
JAN 35 40 50 125
FEB 46 56 40 142
MAR 70 50 40 160
BCS Company
180 160 140 120 100 80 60 40 20 0
35 40 50 125
46 56 40 142
70 50 40 160
JAN FEB MAR
Product1 Product2 Product3 Total
Sales Chart Sheet1 Sheet2 Sheet3

EXERCISE 13

PROCEDURES TO CREATE A PIE CHART FOR A SAMPLE DATA AND GIVE LEGENDS:

1. Open **MS Office -- MS Excel** – **File** – **New**

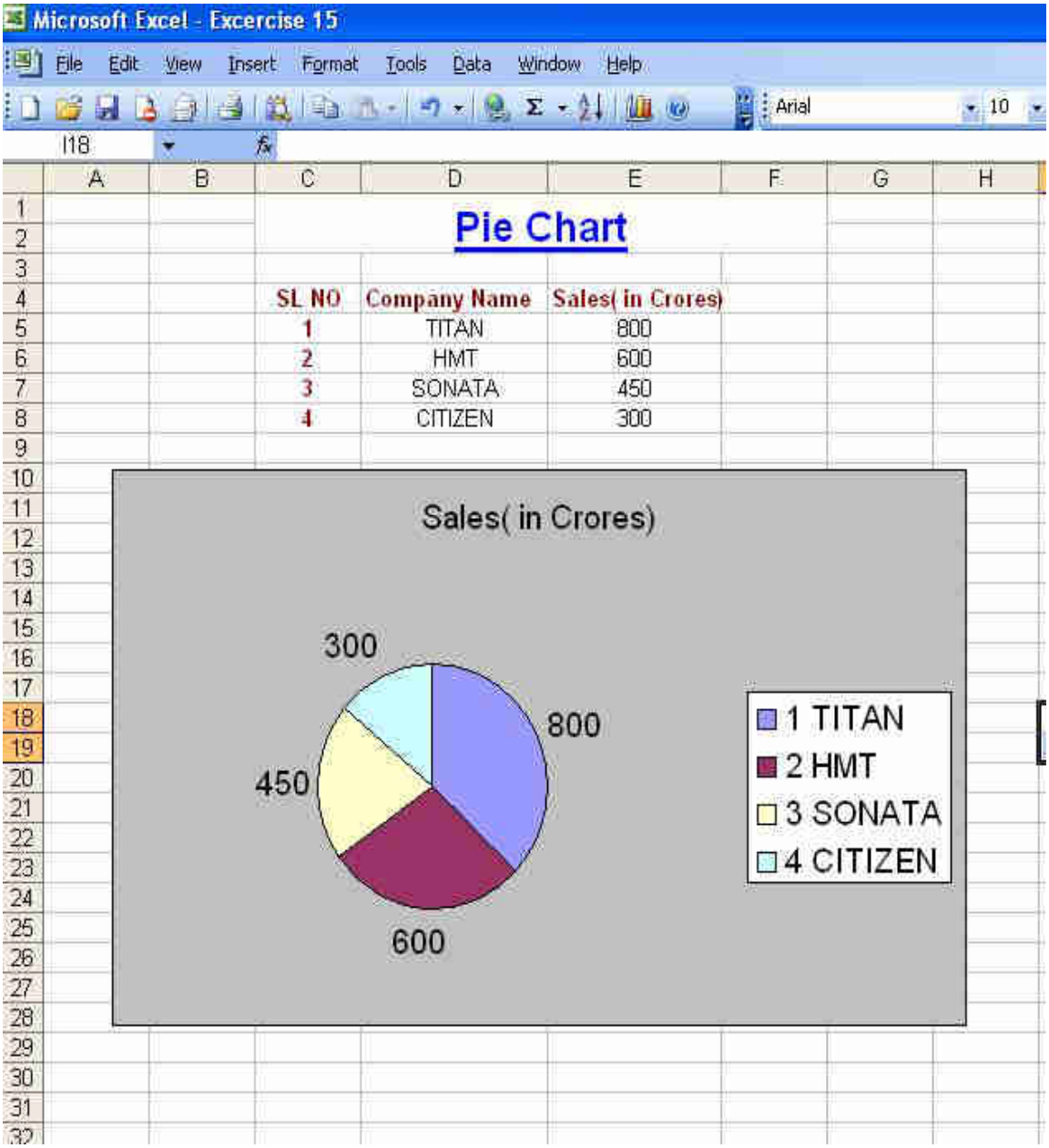
2. Select few column and few rows at the center of the beginning- **right Click- Format cells** - click select the **alignment tab**- tick **Merge cells** option- **ok**-Type the Heading.

3. Enter the column Heading and row heading. Enter the data in each Column.

4. Select the complete row and column data including the header.

5. Go to **Insert**- **Chart**- **Pie** -Select the Chart Type - **Next**- Select **Column** – **next** – under T**itle** give the Heading at **Chart title** – under **Legends** choose the **Placement** – under **Data labels** chose **value**- **next**- select the **place chart -- Finish**.

OUTPUT


Microsoft Excel - Excercise 15
File Edit View Insert Format Tools Data Window Help
Arial 10
I18
Pie Chart
SL NO Company Name Sales(in Crores)
1 TITAN 800
2 HMT 600
3 SONATA 450
4 CITIZEN 300
Sales(in Crores)
300
800
450
600
1 TITAN
2 HMT
3 SONATA
4 CITIZEN

EXERCISE 14

PROCEDURES TO CREATE A WORKSHEET IMPORTING DATA FROM DATABASE AND CALCULATE SUM OF ALL THE COLUMNS:

1. In order to create a database, go to MS **Office -- MS Access** – **New – Blank Database—**give the name for example **Student_database-** click **Create.**

2. Under **Tables** object double click on "**Create table in design view"** - enter the **field names** and **data types**- choose the first field – right click- select **primary key**- save the table by specifying the suitable name example **Student_Table**

3. Now double click on the **Student_Table** to enter the Student data.

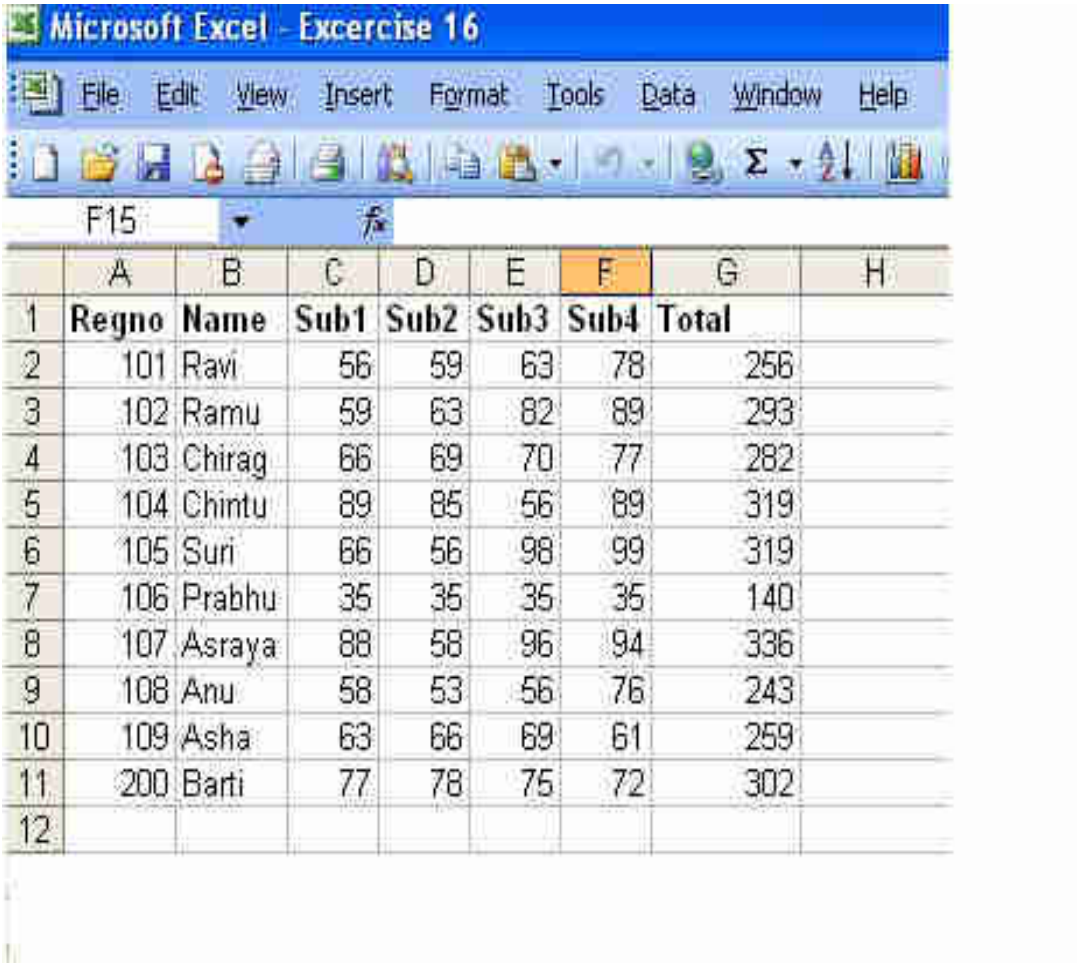
4. Save it and close.

5. Open **MS office**- **MS Excel** - **New** – Go to **Data** menu- **Import External Data** - **Import Data**- Browse for existing access database (example Student_database).

6. Now you will see the access database file content on your excel file.

7. Create another column as Total. Calculate the sum of each row using ∑(auto sum) of standard tool bar.

OUTPUT



	A	B	C	D	E	F	G	H
1	**Regno**	**Name**	**Sub1**	**Sub2**	**Sub3**	**Sub4**	**Total**	
2	101	Ravi	56	59	63	78	256	
3	102	Ramu	59	63	82	89	293	
4	103	Chirag	66	69	70	77	282	
5	104	Chintu	89	85	56	89	319	
6	105	Suri	66	56	98	99	319	
7	106	Prabhu	35	35	35	35	140	
8	107	Asraya	88	58	96	94	336	
9	108	Anu	58	53	56	76	243	
10	109	Asha	63	66	69	61	259	
11	200	Barti	77	78	75	72	302	
12								

EXERCISE 15

PROCEDURES TO CREATE A MACRO WHICH CREATES A LINE CHART USING THE DATA IN THE WORKSHEET:

1. Open **MS Office -- MS Excel** – **File** – **New**

2. Select few column and few rows at the center of the beginning- **right Click- Format cells** - click select the **alignment tab**- tick **Merge cells** option- **ok**-Type the Heading.

3. Enter the column Heading and row heading. Enter the data in each Column.

4. Select the data with column heading (excluding the first column)

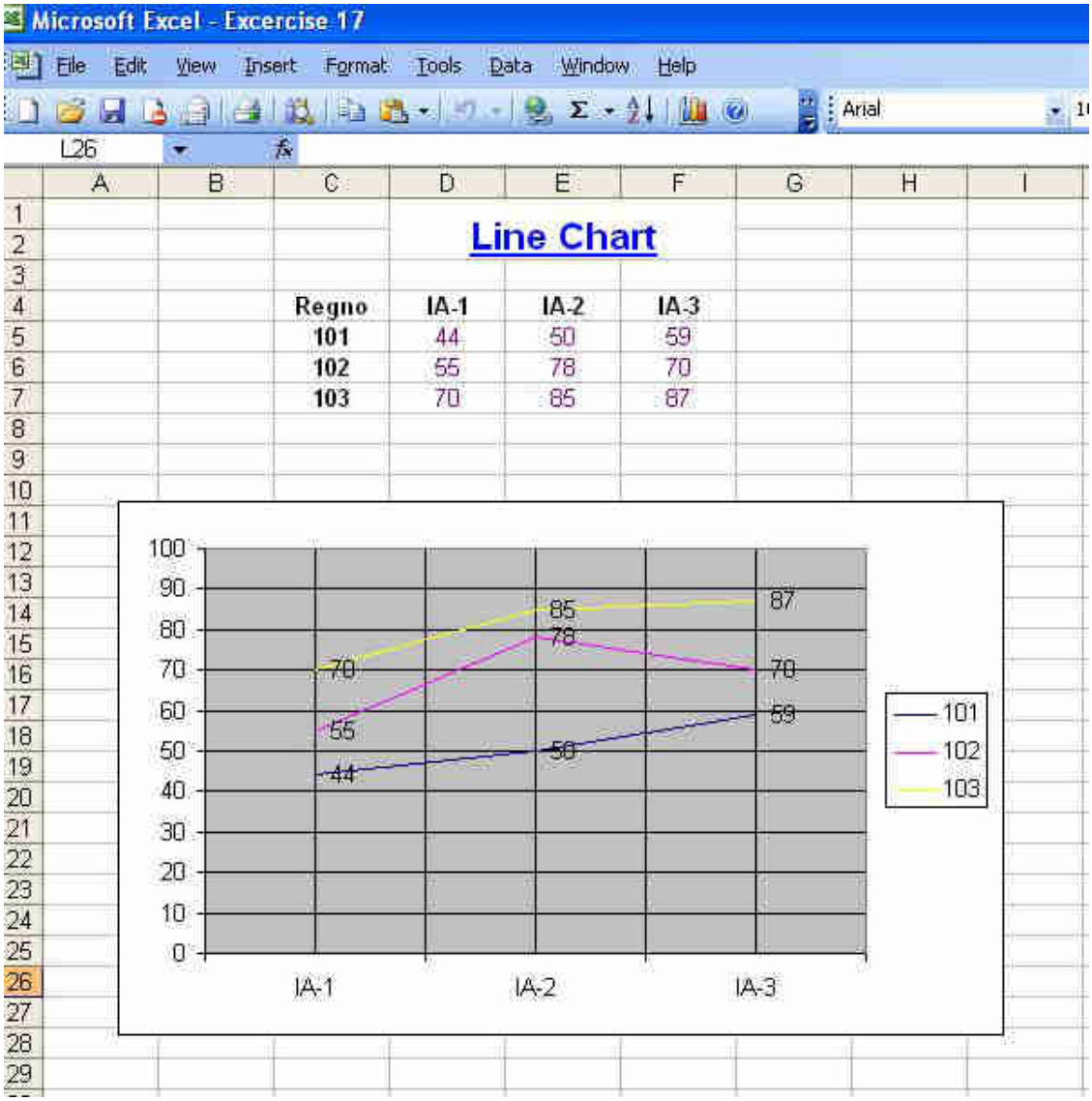
5. Go to **Tool**-**Macro**-**Record new Macro**- Give the macro name

6. Go to **Insert**- **Chart**- Under standard types select **Line - Next**- Under **Data Range** tab Select the **Rows** –Under **Series Tab** Select each series and give the name (example: Series1 as 101, Series2 as 102 and Series3 as 103)- **Next** – under T**itle** give the Heading at **Chart title** – under **Legends** choose the **Placement** – under **Data labels** chose **value**- **next**- select the **place Chart --** Finish.

7. Go to **Tool**- **Macro**- click **Stop recording**.

8. Open a new File go to- **Tool**-**Macro**- Select the **macro name** which u have Created- click **Run.**

OUTPUT


Microsoft Excel - Excercise 17
File Edit View Insert Format Tools Data Window Help
Arial
L26
Line Chart
Regno IA-1 IA-2 IA-3
101 44 50 59
102 55 78 70
103 70 85 87
100 90 80 70 60 50 40 30 20 10 0
IA-1 IA-2 IA-3
101 102 103

EXERCISE 16

PROCEDURES TO CREATE SIMPLE TABLE FOR RESULT PROCESSING:

1. In order to create a database, go to **MS Office -- MS Access** – **New – Blank Database—**give the name for example **Student_database-** click **Create.**

2. Under **Tables** object double click on "**Create table in design view"** - enter the **field names** and **data types**- choose the **Regno** field – right click- select **primary key**- save the table by specifying the suitable name example **Student_Table**

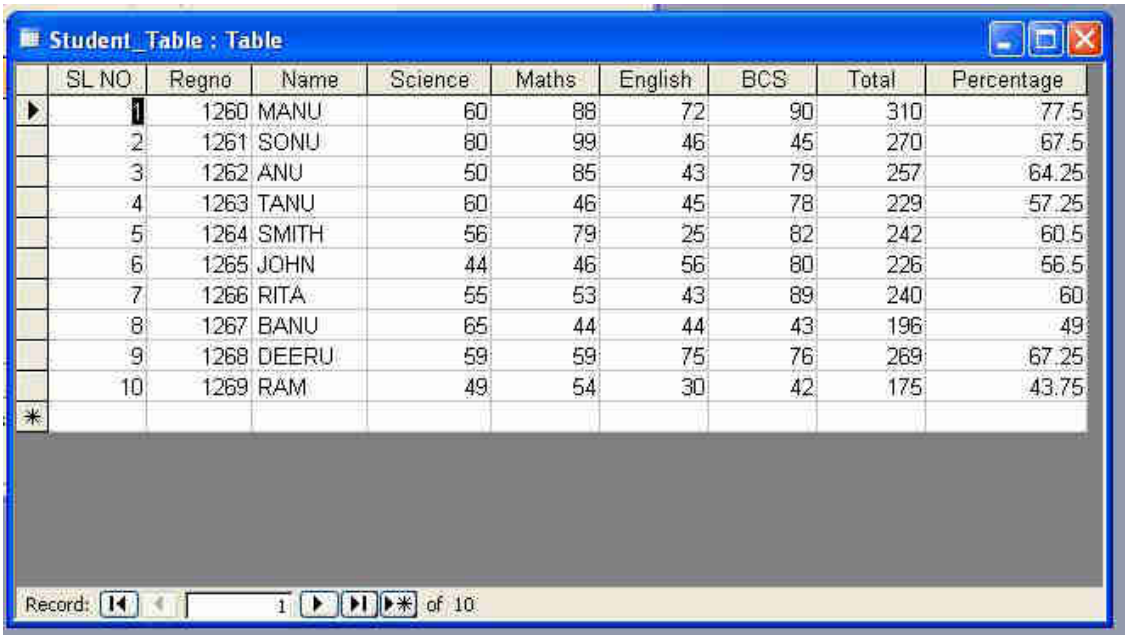
3. Now double click on the **Student_Table** to enter the Student data.

4. Save it.

OUTPUT

Design View :

Table View :



EXERCISE 17

PROCEDURES TO CREATE QUERY TABLE FOR THE RESULT PROCESSING TABLE:

1. In order to create a database, go to **MS Office -- MS Access** – **New – Blank Database—**give the name for example **Student_database-** click **Create.**

2. Under **Tables** object - double click on "**Create table in design view"** - enter the **field names** and **data types**- choose the **Regno** field – right click- select **primary key**- save the table by specifying the suitable name example **Student_Table**

3. Now double click on the **Student_Table** to enter the Student data- **Save**.

4. Click on **Queries** Object- double click on "**Create Query in design View"** Select the table click **Add**-**Close**-right click the empty area after the Table – click **SQL View** and modify the query as your requirement. For Example to create a query table which consist of only the distinction student Records extracting from the original Student_Table write query as follows.

Select * from Student_table where Percentage>=75;

To extract first class student record write

Select * from Student_table where Percentage<75 and Percentage>=60

Where **select**, **from**, **where** are the **keywords**. **Student_table** is the **table Name**. * refers to extract all the fields.
If you want only a single field For Example only Regno use

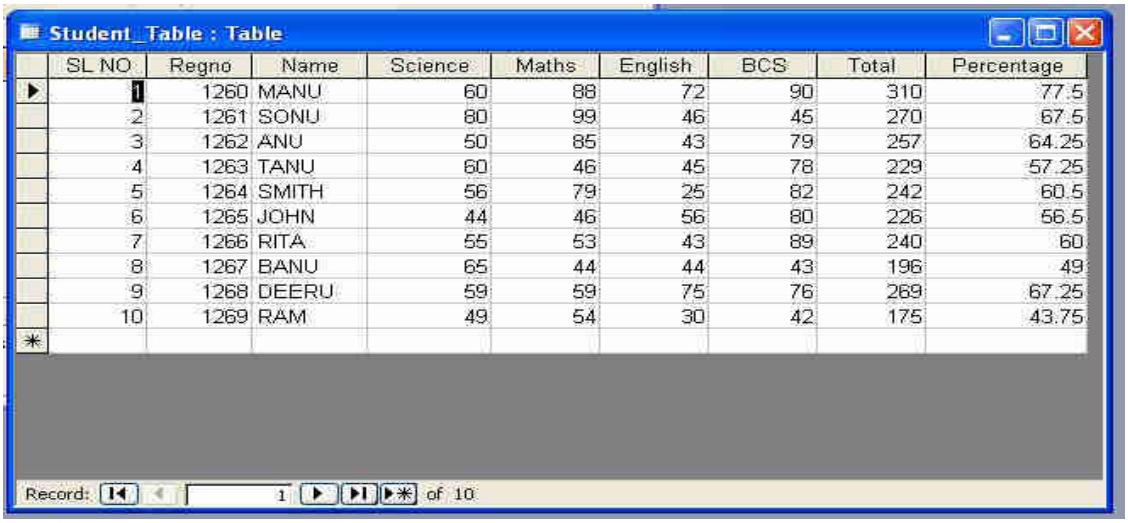
Select Regno from Student_table where Percentage>=75;

If you want more than one field then separate it with commas like as follows

Select Regno, Name from Student_table where Percentage>=75;

OUTPUT

Original Table: Studen_Table

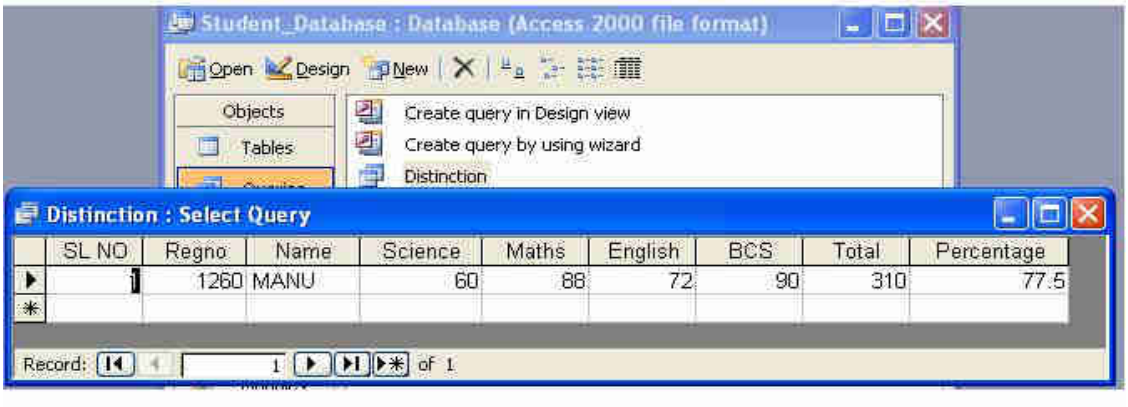


Student_Table : Table

SL NO	Regno	Name	Science	Maths	English	BCS	Total	Percentage
1	1260	MANU	60	88	72	90	310	77.5
2	1261	SONU	80	99	46	45	270	67.5
3	1262	ANU	50	85	43	79	257	64.25
4	1263	TANU	60	46	45	78	229	57.25
5	1264	SMITH	56	79	25	82	242	60.5
6	1265	JOHN	44	46	56	80	226	56.5
7	1266	RITA	55	53	43	89	240	60
8	1267	BANU	65	44	44	43	196	49
9	1268	DEERU	59	59	75	76	269	67.25
10	1269	RAM	49	54	30	42	175	43.75

Record: 1 of 10

Query Table 1: Distinction

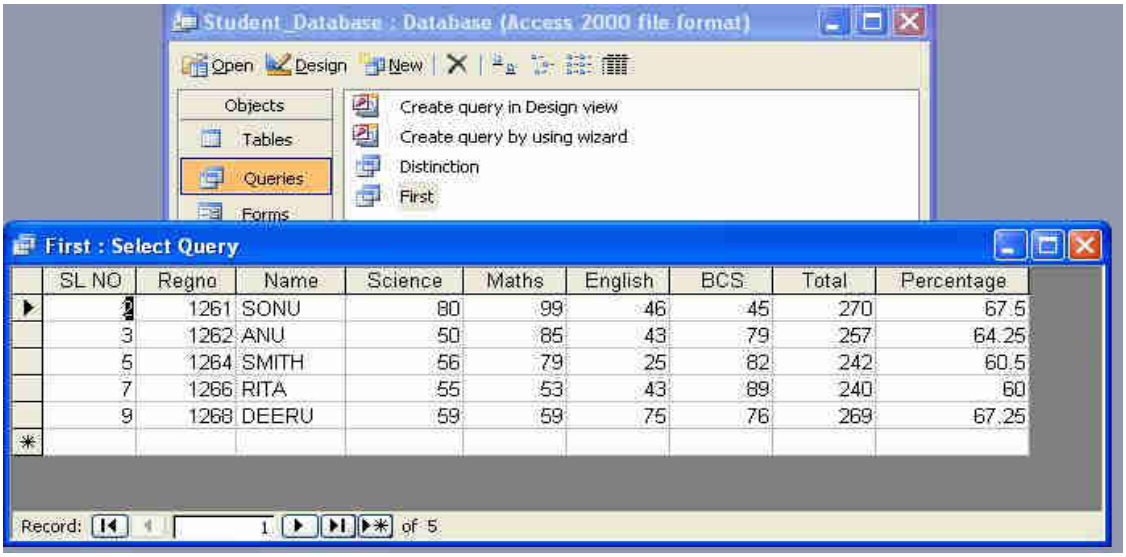


Distinction : Select Query

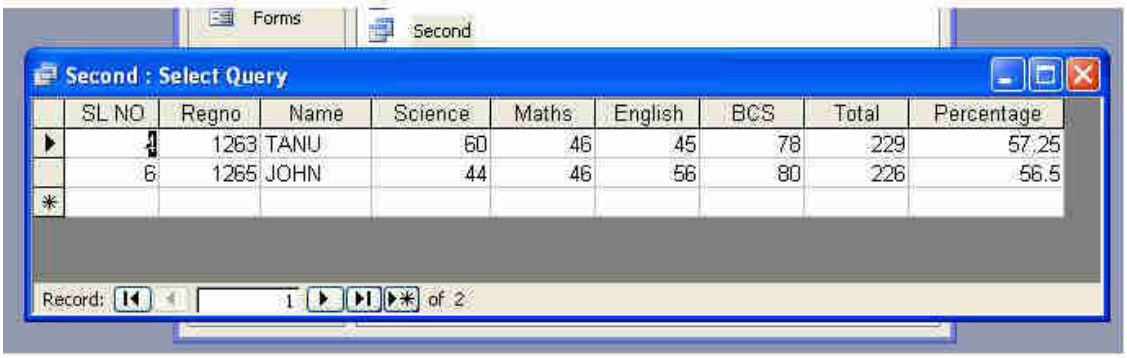
SL NO	Regno	Name	Science	Maths	English	BCS	Total	Percentage
1	1260	MANU	60	88	72	90	310	77.5

Record: 1 of 1

Query Table 2: First



Query Table 3: Second



EXERCISE 18

PROCEDURES TO CREATE A FORM TO UPDATE/MODIFY THE RESULT PROCESSING TABLE:

1. In order to create a database, go to **MS Office -- MS Access** – **New – Blank Database—**give the name for example **Student_database-** click **Create.**

2. Under **Tables** object - double click on "**Create table in design view"** - enter the **field names** and **data types**- choose the **Regno** field – right click- select **primary key**- save the table by specifying the suitable name example **Student_Table**

3. Now double click on the **Student_Table** to enter the Student data- Save.

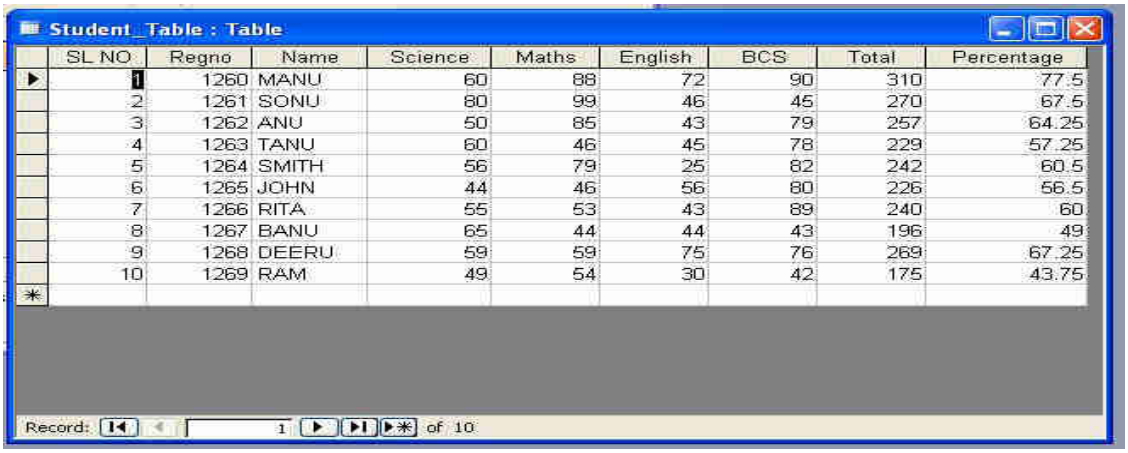
4. Click on **Forms** Object- double click on "**Create Form by using Wizards"** - Select the Table, Fields, Layout, Style and Give the name of the Form- Click Finish.

5. You can navigate the records through the navigation button at the bottom of the Form.

6. Modification of any text in the form will be reflected to the original Table or Database.

OUTPUT

ORIGINAL TABLE:

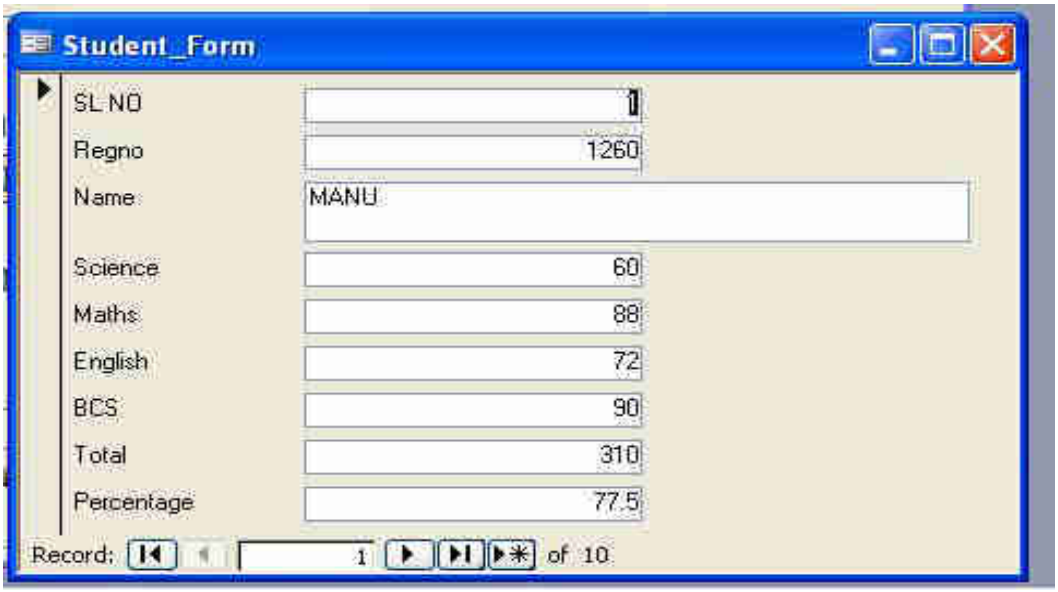


Student_Table : Table

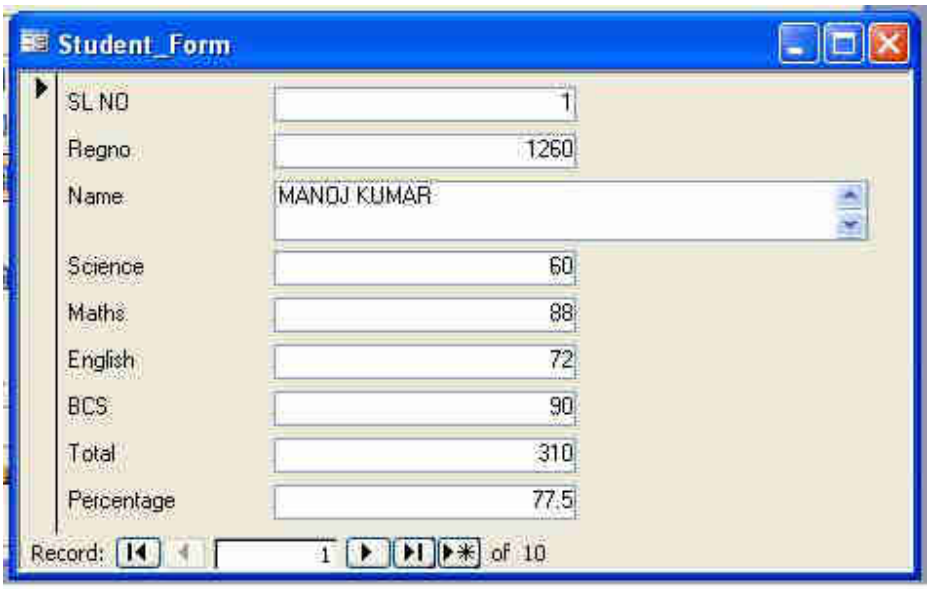
SL NO	Regno	Name	Science	Maths	English	BCS	Total	Percentage
1	1260	MANU	60	88	72	90	310	77.5
2	1261	SONU	80	99	46	45	270	67.5
3	1262	ANU	50	85	43	79	257	64.25
4	1263	TANU	60	46	45	78	229	57.25
5	1264	SMITH	56	79	25	82	242	60.5
6	1265	JOHN	44	46	56	80	226	56.5
7	1266	RITA	55	53	43	89	240	60
8	1267	BANU	65	44	44	43	196	49
9	1268	DEERU	59	59	75	76	269	67.25
10	1269	RAM	49	54	30	42	175	43.75

Record: 1 of 10

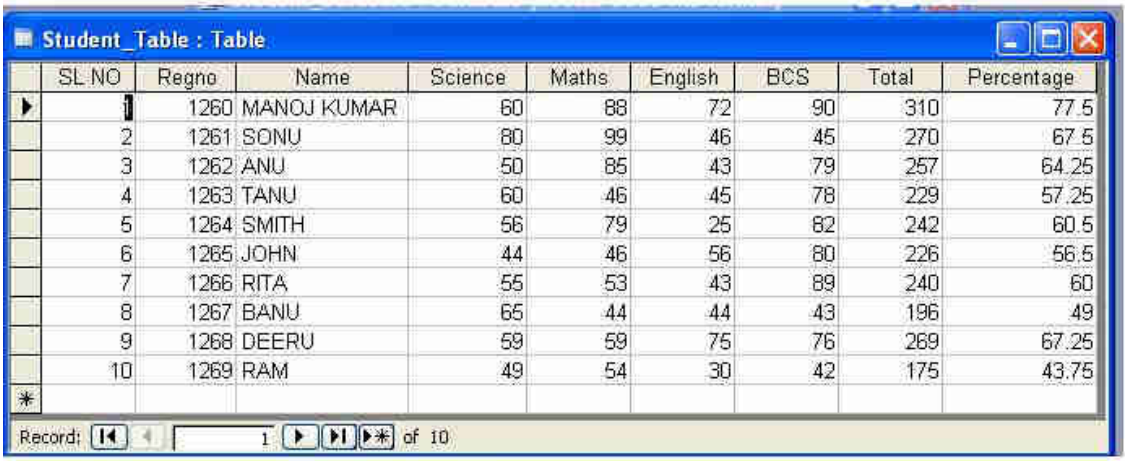
FORM WINDOW :



MODIFIED DATA IN THE FORM :



ORIGINAL TABLE AFTER MODIFICATION:


Student_Table : Table

SL NO	Regno	Name	Science	Maths	English	BCS	Total	Percentage
1	1260	MANOJ KUMAR	60	88	72	90	310	77.5
2	1261	SONU	80	99	46	45	270	67.5
3	1262	ANU	50	85	43	79	257	64.25
4	1263	TANU	60	46	45	78	229	57.25
5	1264	SMITH	56	79	25	82	242	60.5
6	1265	JOHN	44	46	56	80	226	56.5
7	1266	RITA	55	53	43	89	240	60
8	1267	BANU	65	44	44	43	196	49
9	1268	DEERU	59	59	75	76	269	67.25
10	1269	RAM	49	54	30	42	175	43.75

Record: 1 of 10

.

EXERCISE 19

PROCEDURES TO DESIGN A REPORT TO PRINT THE RESULT SHEET AND MARKS CARD FOR THE RESULT:

1. In order to create a database, go to **MS Office -- MS Access** – **New – Blank Database—**give the name for example **Student_database-** click **Create**.

2. Under **Tables** object - double click on "**Create table in design view"** - Enter the **field names** and **data types**- choose the **Regno** field – right click- Select **primary key**- save the table by specifying the suitable name example **Student_Table**

3. Now double click on the **Student_Table** to enter the Student data- Save.

4. Click on **Reports** Object- double click on "**Create Report by using Wizards"** - Select the **Table, Fields** click **next**, select the grouping Field/fields if any- select the **sorting** field/fields if any (example Regno) – Click **next**-Select the **layout- next**- select **Style** – **next** – Give the **title** and Click **Finish.**

5. Now Double click on report to view.

6. Modify the report view by right clicking and selecting the Report in the **design view.**

7. To create a Marks Card Report Select the grouping Field to Regno while Creating the report and modify the design of the report as expected using the Report **Toolbox.**

OUTPUT

RESULT SHEET:

Student_Report

Regno	SL NO	Name	Science	Maths	English	BCS	Total	Percentage
1260	1	MANOJ KUMAR	60	88	72	90	310	77.5
1261	2	SONU	80	99	46	45	270	67.5
1262	3	ANU	50	85	43	79	257	64.25
1263	4	TANU	60	46	45	78	229	57.25
1264	5	SMITH	56	79	25	82	242	60.5
1265	6	JOHN	44	46	56	80	226	56.5
1266	7	RITA	55	53	43	89	240	60
1267	8	BANU	65	44	44	43	196	49
1268	9	DEERU	59	59	75	76	269	67.25
1269	10	RAM	49	54	30	42	175	43.75

MARKS CARD :

Marks_card

Regno : **1260**

SL NO	1
Name	MANOJ KUMAR
Science	60
Maths	88
English	72
BCS	90
Total	310

Percentage 77.5

Part 2: Programing with c#

Sheet1

1. Write a vb.net program to enter two numbers and print the sum.

```
Imports System
Module Module1
   Sub Main()
      Dim x, y, sum As Double
      Console.Write("Enter X :  ")
      x = Console.ReadLine()
      Console.Write("Enter Y :  ")
      y = Console.ReadLine()
      sum = x + y
      Console.Write("Sum = :  " & sum)
   End Sub
End Module
```

```
Imports System
Module Module1
   Sub Main()
      Dim x, y, sum As Double
       x = InputBox("Enter X :  ")
      y = InputBox("Enter Y :  ")
      sum = x + y
      MsgBox ("Sum = :  " & sum)
   End Sub
End Module
```

2. Write a vb.net program to enter three edges (a, b, c) of triangle then compute the area of triangle where:

$$s = \frac{a + b + c}{2} \qquad Area = \sqrt{s(s-a)(s-b)(s-c)}$$

	Imports System Module Module1 Sub Main() Dim a, b, c, s, area As Double Console.Write("Enter A : ") a = Console.ReadLine() Console.Write("Enter B : ") b = Console.ReadLine() Console.Write("Enter C : ") c = Console.ReadLine() s = (a + b + c) / 2 area = (s * (s - a) * (s - b) * (s - c)) ^ (1 / 2) Console.WriteLine("The Area is = " & area) End Sub End Module	Imports System Module Module1 Sub Main() Dim a, b, c, s, area As Double a = InputBox ("Enter A : ") b = InputBox ("Enter B : ") c = InputBox ("Enter C : ") s = (a + b + c) / 2 area = (s * (s - a) * (s - b) * (s - c)) ^ (1 / 2) MsgBox ("The Area is = " & area) End Sub End Module
3.	Write a vb.net program to enter the employee name and the employee salary then compute the net salary when the tax=5% and the wedges=10%.	
	Imports System Module Module1 Sub Main() Dim name As String Dim salary, Net_Salary As Double Console.Write("Enter Name : ")	Imports System Module Module1 Sub Main() Dim name As String Dim salary, Net_Salary As Double name = InputBox ("Enter Name : ")

	name = Console.ReadLine() Console.Write("Enter Salary : ") salary = Console.ReadLine() Net_Salary = salary + 0.1 * salary - 0.05 * salary Console.WriteLine("The Net Salary of " & name & "is" & Net_Salary) End Sub End Module	salary = InputBox ("Enter Salary : ") Net_Salary = salary + 0.1 * salary -0.05 * salary MsgBox ("The Net Salary of " & name & "is" & Net_Salary) End Sub End Module
4.	Write a vb.net program to enter the length and width of rectangle then compute the area of rectangle.	
	Imports System Module Module1 Sub Main() Dim L, W, Area As Double Console.WriteLine ("Enter L ") L = Console.ReadLine() Console.WriteLine ("Enter W ") W = Console.ReadLine() Area = L*W Console.WriteLine ("The Area is " & Area) End Sub End Module	Imports System Module Module1 Sub Main() Dim L, W, Area As Double L = InputBox("Enter L ") W = InputBox("Enter W ") Area = L*W MsgBox("The Area is " & Area) End Sub End Module

5.	Write a vb.net program to enter the temperature in Fahrenheit then compute the temperature in Celsius.	
	Imports System Module Module1 Sub Main() Dim Celesius, Fehranhait As Double Console.WriteLine ("Enter Feh Temp ") Fehranhait = Console.ReadLine() Celesius = 5 / 9 * (Fehranhait - 32) Console.WriteLine ("The Cel Temp is " & Celesius) End Sub End Module	Imports System Module Module1 Sub Main() Dim Celesius, Fehranhait As Double Fehranhait = InputBox("Enter Feh Temp ") Celesius = 5 / 9 * (Fehranhait - 32) MsgBox("The Cel Temp is " & Celesius) End Sub End Module
6.	Write a vb.net program to enter the diameter of circle the compute the area.	
	Imports System Module Module1 Sub Main() Dim Dia, r, Area As Double Console.WriteLine ("Enter Dia ") Dia = Console.ReadLine() r = Dia / 2 Area = 3.14 * r^ 2 Console.WriteLine ("The Area is " & Area)	Imports System Module Module1 Sub Main() Dim Dia, r, Area As Double Dia = InputBox("Enter Dia ") r = Dia / 2 Area = 3.14 * r^ 2 MsgBox("The Area is " & Area) End Sub End Module

	End Sub End Module	

Sheet2

If & select case

7.	Write a vb.net program to enter the student name and the student scores in 5 subject (enter the name and the score of each subject) the print the GPA of each subject and the overall GPA of the student in all subjects. Average ≥ 95 "GPA is 4" 90≤Average < 95 "GPA is 3.7" 85≤Average < 90 "GPA is 3.3" 80≤Average < 85 "GPA is 3.0" 75≤Average < 80 "GPA is 2.7" 70≤Average < 75 "GPA is 2.3" 65≤Average < 70 "GPA is 2.0" 60≤Average < 65 "GPA is 1.7" 55≤Average < 60 "GPA is 1.3" 50≤Average < 55 "GPA is 1.0" Average < 50 "GPA is 0"

	Imports System Module Module1 Sub Main() Dim name As String Console.WriteLine("Enter Name : ") name = Console.ReadLine() Dim Math, phis, Mech, Programing, Electrical, Average As Double	Imports System Module Module1 Sub Main() Dim name As String Console.WriteLine("Enter Name : ") name = Console.ReadLine() Dim Math, phis, Mech, Programing, Electrical, Average As Double

```
        Console.WriteLine("Enter Math Score : ")
        Math = Console.ReadLine()
        Console.WriteLine("Enter Mech Score : ")
        Mech = Console.ReadLine()
        Console.WriteLine("Enter Phis Score  : ")
        phis = Console.ReadLine()
Console.WriteLine("Enter Programming Score  :")
        Programing = Console.ReadLine()
        Console.WriteLine("Enter Electric Score  : ")
        Electrical = Console.ReadLine()
Average = (Math + Mech + phis + Programing + Electrical) / 5
      If Average > 95 Then
          Console.WriteLine(name & "GPA is 4 ")
      ElseIf Average >= 90 And Average < 95 Then
          Console.WriteLine(name & "GPA is 3.7 ")
      ElseIf Average >= 85 And Average < 90 Then
```

```
        Console.WriteLine("Enter Math Score : ")
        Math = Console.ReadLine()
        Console.WriteLine("Enter Mech Score : ")
        Mech = Console.ReadLine()
        Console.WriteLine("Enter Phis Score  : ")
        phis = Console.ReadLine()
Console.WriteLine("Enter Programming Score:")
        Programing = Console.ReadLine()
        Console.WriteLine("Enter Electric Score  : ")
        Electrical = Console.ReadLine()
Average = (Math + Mech + phis + Programing + Electrical) / 5
Select Case Average
      Case is > 95
          Console.WriteLine(name & "GPA is 4 ")
        Case 90 to 94
          Console.WriteLine(name & "GPA is 3.7 ")
      Case 85 to 89
```

```
        Console.WriteLine(name & "GPA is 3.3 ")
    ElseIf Average >= 80 And Average < 85 Then
        Console.WriteLine(name & "GPA is 3.0 ")
    ElseIf Average >= 75 And Average < 80 Then
        Console.WriteLine(name & "GPA is 2.7 ")
    ElseIf Average >= 70 And Average < 75 Then
        Console.WriteLine(name & "GPA is 2.3 ")
    ElseIf Average >= 65 And Average < 70 Then
        Console.WriteLine(name & "GPA is 2 ")
    ElseIf Average >= 60 And Average < 65 Then
        Console.WriteLine(name & "GPA is 1.7 ")
    ElseIf Average >= 55 And Average < 60 Then
        Console.WriteLine(name & "GPA is 1.3 ")
```

```
        Console.WriteLine(name & "GPA is 3.3 ")
    Case 80 to 84
        Console.WriteLine(name & "GPA is 3.0 ")
    Case 75 to 79
        Console.WriteLine(name & "GPA is 2.7 ")
    Case 70 to 74
        Console.WriteLine(name & "GPA is 2.3 ")
    Case 65 to 69
        Console.WriteLine(name & "GPA is 2 ")
    Case 60 to 64
        Console.WriteLine(name & "GPA is 1.7 ")
    Case 55 to 59
        Console.WriteLine(name & "GPA is 1.3 ")
    Case 50 to 54
        Console.WriteLine(name & "GPA is 1 ")
    Case Else
        Console.WriteLine(name & "GPA is 0 ")
```

<table>
<tr><td></td><td>ElseIf Average >= 50 And Average < 55 Then
Console.WriteLine(name & "GPA is 1 ")
Else
Console.WriteLine(name & "GPA is 0 ")
End If
End Sub
End Module</td><td>End Select
End Sub
End Module</td></tr>
<tr><td>8.</td><td colspan="2">Write a vb.net program to enter the temperature now and print the appropriate label according to the following condition:
T ≤ 0 “Freezing”
0<T≤ 10 “Cold”
10<T≤ 20 “Cool”
20<T≤ 30 “Warm”
T>30 “very hot”</td></tr>
<tr><td></td><td>Imports System
Module Module1
Sub Main()
Dim Temp As Double
Console.WriteLine("Enter Temp")
Temp = Console.ReadLine()
If Temp <= 0 Then</td><td>Imports System
Module Module1
Sub Main()
Dim Temp As Double
Console.WriteLine("Enter Temp")
Temp = Console.ReadLine()
Select Case Temp
Case Is <= 0</td></tr>
</table>

```
            Console.WriteLine("It's
Freezing")
        Else If  Temp>0 and Temp <= 10
then
            Console.WriteLine("It's Cold")
        Else If  Temp>10 and Temp <= 20
then
            Console.WriteLine("It's Cool")
        Else If  Temp>20 and Temp <= 30
then
            Console.WriteLine("It's Warm")
        Else
            Console.WriteLine("It's Hot")
      End if
   End Sub
End Module
```

```
            Console.WriteLine("It's Freezing")
        Case 1 To 10
            Console.WriteLine("It's Cold")
        Case 11 To 20
            Console.WriteLine("It's Cool")
        Case 21 To 30
            Console.WriteLine("It's Warm")
        Case Else
            Console.WriteLine("It's Hot")
    End Select
  End Sub
End Module
```

9. Write a vb.net program to solve the second order equation and get the value of X_1, X_2 where:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

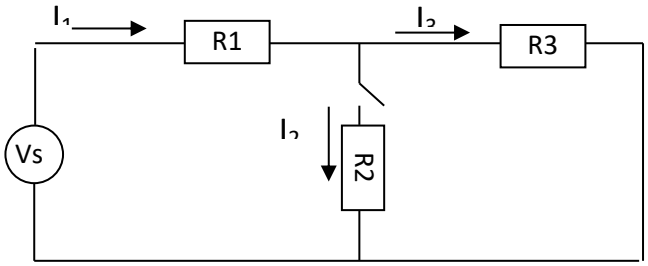
```
Imports System
Module Module1
   Sub Main()
      Dim x1, x2, a, b, c, D As Double
      Console.Write("Enter A")
```

```
Imports System
Module Module1
   Sub Main()
      Dim x1, x2, a, b, c, D As
Double
```

```
        a = Console.ReadLine()
        Console.Write("Enter B")
        b = Console.ReadLine()
        Console.Write("Enter C ")
        c = Console.ReadLine()
        D = ((b ^ 2) - (4 * a * c)) ^ 0.5
    If D = 0 Then
        x1 =(-b/(2*a))
        x2 = x1
         Console.WriteLine("X1 =X2  " & x1)
    Else If D > 0 Then
            x1 = (-b + D) / (2 * a)
            Console.WriteLine("X1 =  " & x1)
            x2 = (-b - D) /(2 * a)
            Console.WriteLine("X2 =  " & x2)
        Else
            Console.WriteLine("undefined")
        End If
     End Sub
End Module
```

```
        Console.Write("Enter A")
        a = Console.ReadLine()
        Console.Write("Enter B")
        b = Console.ReadLine()
        Console.Write("Enter C ")
        c = Console.ReadLine()
        D = ((b ^ 2) - (4 * a * c)) ^ (1 /
2)
       Select Case D
 -    Case 0
     x1 =(-b/(2*a))
    x2 = x1
    Console.WriteLine("X1 =X2  " &
x1)
      Case is > 0
            x1 = (-b + D) /( 2 * a)
            Console.WriteLine("X1 =  "
& x1)
            x2 = (-b - D) / (2 * a)
            Console.WriteLine("X2 =  "
& x2)
        Case Else

Console.WriteLine("undefined")
        End select
```

		End Sub End Module
10.	Write a vb.net program to simulate the following circuit the find the value of I_1, I_2, and I_3 when R_1, R_2, R_3, and Vs are given.  	
	Imports System Module Module1 Sub Main() Dim R1, R2, R3, Key, Vs, I1, I2, I3, Req As Double Console.WriteLine("Enter Vs = ") Vs = Console.ReadLine() Console.WriteLine("Enter R1") R1 = Console.ReadLine() Console.WriteLine("Enter R2") R2 = Console.ReadLine() Console.WriteLine("Enter R3") R3 = Console.ReadLine() Console.WriteLine("Enter Key Satus") Key = Console.ReadLine()	Imports System Module Module1 Sub Main() Dim R1, R2, R3, Key, Vs, I1, I2, I3, Req As Double Console.WriteLine("Enter Vs = ") Vs = Console.ReadLine() Console.WriteLine("Enter R1") R1 = Console.ReadLine() Console.WriteLine("Enter R2") R2 = Console.ReadLine() Console.WriteLine("Enter R3") R3 = Console.ReadLine()

```
        Select Case Key
            If Key= 0 then
                I1 = Vs / (R1 + R2)
                I2 = 0
                I3 = I1
            If Key= 1 then
                Req = (R2 * R3) / (R2 + R3)
                I1 = Vs / (R1 + Req)
                I2 = (R3 / (R2 + R3)) * I1
                I3 = (R2 / (R2 + R3)) * I1
        End if
                Console.WriteLine("I1  = " & I1)
                Console.WriteLine("I2  = " & I2)
                Console.WriteLine("I3  = " & I3)
    End Sub
End Module
```

```
        Console.WriteLine("Enter Key Satus")
        Key = Console.ReadLine()
        Select Case Key
            Case 0
                I1 = Vs / (R1 + R2)
                I2 = 0
                I3 = I1
            Case 1
                Req = (R2 * R3) / (R2 + R3)
                I1 = Vs / (R1 + Req)
                I2 = (R3 / (R2 + R3)) * I1
                I3 = (R2 / (R2 + R3)) * I1
        End Select
                Console.WriteLine("I1  = " & I1)
                Console.WriteLine("I2  = " & I2)
                Console.WriteLine("I3  = " & I3)
    End Sub
End Module
```

Sheet3

loop

11.	Write a vb.net program to print the odd numbers from 0 to 20.	

	Module Module1
	  Sub Main()
	  Dim i As Integer
	  For i = 1 To 20 Step 2
	  Console.WriteLine(i)
	  Next
	  End Sub
	End Module
		Module Module1
		  Sub Main()
		  Dim i As Integer
		  i = 1
		  Do While (i <= 20)
		  Console.WriteLine(i)
		  i += 2
		  Loop
		  End Sub
		End Module

12.	Write a vb.net program to get the sum of the even numbers from 355 to 420.	

	Module Module1
	  Sub Main()
	  Dim i, sum As Integer
	  For i = 356 To 420 Step 2
	  sum += i
	  Next
	  Console.WriteLine("the sum= " & sum)
	  End Sub
	End Module
		Module Module1
		  Sub Main()
		  Dim i, sum As Integer
		  i = 356
		  Do While (i <= 420)
		  sum += i
		  i += 2
		  Loop
		  Console.WriteLine("the sum= " & sum)
		  End Sub

<table>
<tr><td></td><td></td><td>End Module</td></tr>
<tr><td>13.</td><td colspan="2">Write a vb.net program to read the value x and compute the factorial(x must be positive and integer).</td></tr>
<tr><td></td><td>Module Module1
Sub Main()
Dim i, f, x As Integer
x = InputBox("enter x")
f = 1
For i = 1 To x Step 1
f *= i
Next
Console.WriteLine("the factorial= " & f)
End Sub
End Module</td><td>Module Module1
Sub Main()
Dim i, f, x As Integer
x = InputBox("enter x")
f = 1
i = 1
Do While (i <= x)
f *= i
i += 1
Loop
Console.WriteLine("the factorial= " & f)
End Sub
End Module</td></tr>
<tr><td>14.</td><td colspan="2">Write a vb.net program to compute the value of this function:
$$y = \frac{1}{2} + \frac{2}{3} + \frac{3}{4} + \cdots \ldots \ldots . N$$</td></tr>
</table>

	Module Module1 Sub Main() Dim i, n As Integer Dim y As Double n = InputBox("enter n") For i = 1 To n Step 1 y += (i / (i + 1)) Next Console.WriteLine(" y= " & y) End Sub End Module	Module Module1 Sub Main() Dim i, n As Integer Dim y As Double n = InputBox("enter n") i = 1 Do While (i <= n) y += (i / (i + 1)) i += 1 Loop Console.WriteLine(" y= " & y) End Sub End Module
15.	Write a vb.net program to compute the value of this function: $f(x) = x + \frac{x^3}{3} + \frac{x^5}{5} + \cdots \ldots \ldots + \frac{x^n}{n}$	
	Module Module1 Sub Main() Dim i, n, x As Integer Dim f As Double n = InputBox("enter n") x = InputBox("enter x") For i = 1 To n Step 2 f += (x^i /i) Next	Module Module1 Sub Main() Dim i, n,x As Integer Dim f As Double n = InputBox("enter n") x = InputBox("enter x") i = 1 Do While (i <= n) f += (x^i /i)

	Console.WriteLine(" f(x)= " & f) End Sub End Module	i += 2 Loop Console.WriteLine(" f(x)= " & f) End Sub End Module
	Nested loop	
16.	Write a vb.net program to get the first 10 terms in infinite series : $a = \frac{1}{1!} + \frac{1}{2!} + \frac{1}{3!} + \cdots \ldots \ldots . N$	
	Module Module1 Sub Main() Dim i, j, f, n As Integer Dim a As Double n = InputBox("enter n") For i = 1 To n Step 1 f = 1 For j = 1 To i Step 1 f *= j Next a += 1/f Next Console.WriteLine("the a= " & a) End Sub	Module Module1 Sub Main() Dim i, j, f, n As Integer Dim a As Double n = InputBox("enter n") i = 1 Do While (i <= n) f = 1 j = 1 Do While (j <= i) f *= j j +=1 Loop

	End Module	a += 1/f i+=1 Loop Console.WriteLine("the a= " & a) End Sub End Module
	Array	
17.	Write a vb.net program to enter two vectors of n elements and get the sum.	
	Module Module1 Sub Main() Dim i, n As Integer n = InputBox("enter n") Dim a(n), b(n), c(n) As Double For i = 0 To n - 1 a(i) = InputBox("enter element of vector a") Next For i = 0 To n - 1 b(i) = InputBox("enter element of vector b") Next For i = 0 To n - 1 c(i) = a(i) + b(i) Next For i = 0 To n - 1	Module Module1 Sub Main() Dim i, n As Integer n = InputBox("enter n") Dim a(n), b(n), c(n) As Double i = 0 Do While (i<=n – 1) a(i) = InputBox("enter element of vector a") i+=1 Loop i = 0 Do While (i<=n – 1) b(i) = InputBox("enter element of vector b")

	Console.WriteLine(c(i)) Next End Sub End Module	i+=1 Loop i = 0 Do While (i<=n – 1) c(i) = a(i) + b(i) i+=1 Loop i = 0 Do While (i<=n – 1) Console.WriteLine(c(i)) i+=1 Loop End Sub End Module
18.	Write a vb.net program to enter two matrixes of n×m elements and get the sum.	
	Module Module1 Sub Main() Dim i, j, n, m As Integer n = InputBox("enter n") m = InputBox("enter m") Dim a(n, m), b(n, m), c(n, m) As Double For i = 0 To n - 1 For j = 0 To m - 1 a(i, j) = InputBox("enter element of vector a")	Module Module1 Sub Main() Dim i, j, n, m As Integer n = InputBox("enter n") m = InputBox("enter m") Dim a(n, m), b(n, m), c(n, m) As Double i = 0 Do While (i <= n - 1) j = 0

```
        Next
    Next
    For i = 0 To n - 1
        For j = 0 To m - 1
b(i, j) = InputBox("enter element of vector b")
        Next
    Next
    For i = 0 To n - 1
        For j = 0 To m - 1
            c(i, j) = a(i, j) + b(i, j)
        Next
    Next
    For i = 0 To n - 1
        For j = 0 To m - 1
            Console.WriteLine(c(i, j))
        Next
    Next
  End Sub
End Module
```

```
        Do While (j <= m - 1)
a(i, j) = InputBox("enter element of vector a")
            j += 1
        Loop
        i += 1
    Loop
    i = 0
    Do While (i <= n - 1)
        j = 0
        Do While (j <= m - 1)
b(i, j) = InputBox("enter element of vector b")
            j += 1
        Loop
        i += 1
    Loop
    i = 0
    Do While (i <= n - 1)
        j = 0
        Do While (j <= m - 1)
            c(i, j) = a(i, j) + b(i, j)
            j += 1
        Loop
        i += 1
```

		Loop i = 0 Do While (i <= n - 1) j = 0 Do While (j <= m - 1) Console.WriteLine(c(i, j)) j += 1 Loop i += 1 Loop End Sub End Module