**Ex.No:1a**

**Date: CREATING ADVERTISEMENT**

**AIM:**

To prepare an advertisement for a company with some specifications.

* Attractive page border.
* Use at least one Clip Art.
* Design name using Word Art.
* Use bullets.

**ALGORITHM:**

Step 1: Open a blank document.

Step 2: Go to Page Layout🡪Page Borders🡪Select Attractive Page Border🡪Ok

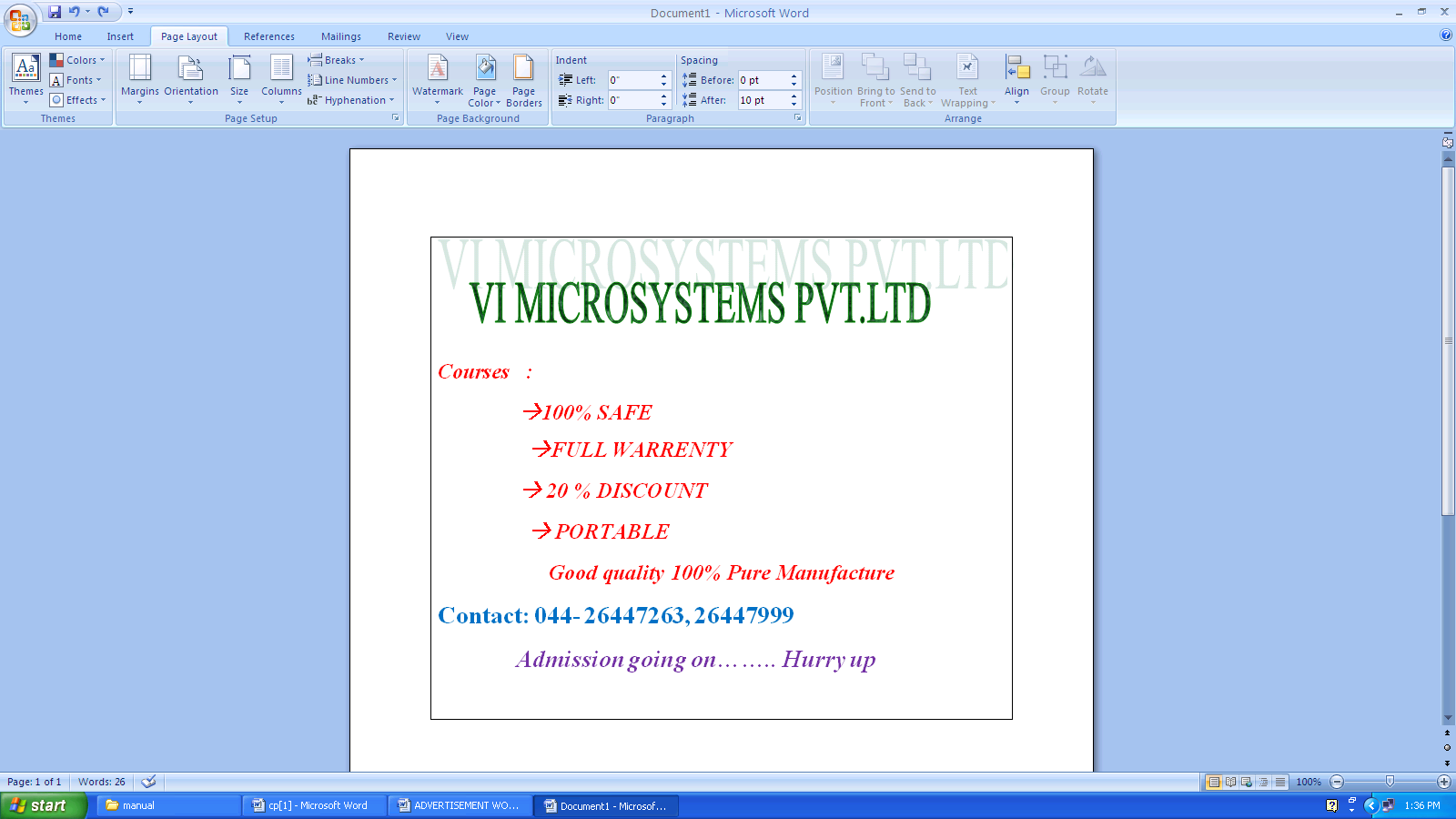
Step 3: Go to Insert🡪Clip Art🡪Select Attractive Clip Art🡪Ok.

Step 4: Type a name and select🡪go to insert🡪Word Art🡪Select a Word Art & click

Step 5: Type a brief company details & Right Click🡪Select the Bullets 🡪 Ok.

Step 6: Save the document.

**OUTPUT:**

****

**RESULT:-**

Thus the advertisement has been created with some specifications in Microsoft word successfully and verified

**Ex.No:1b**

**Date: CURRICULUM VITAE**

**AIM:**

To create curriculum vitae (CV) of a B.E graduate with the specification.

* Table to show qualifications with heading.
* Left & Right margins
* Page numbers in the footer on the right side.
* Use Watermark.

**ALGORITHM:**

Step 1: Open a blank document.

Step 2: Type a Bio-data briefly then goto Insert 🡪Table🡪Insert🡪Table🡪Select

no of rows & columns🡪Ok for qualifications.

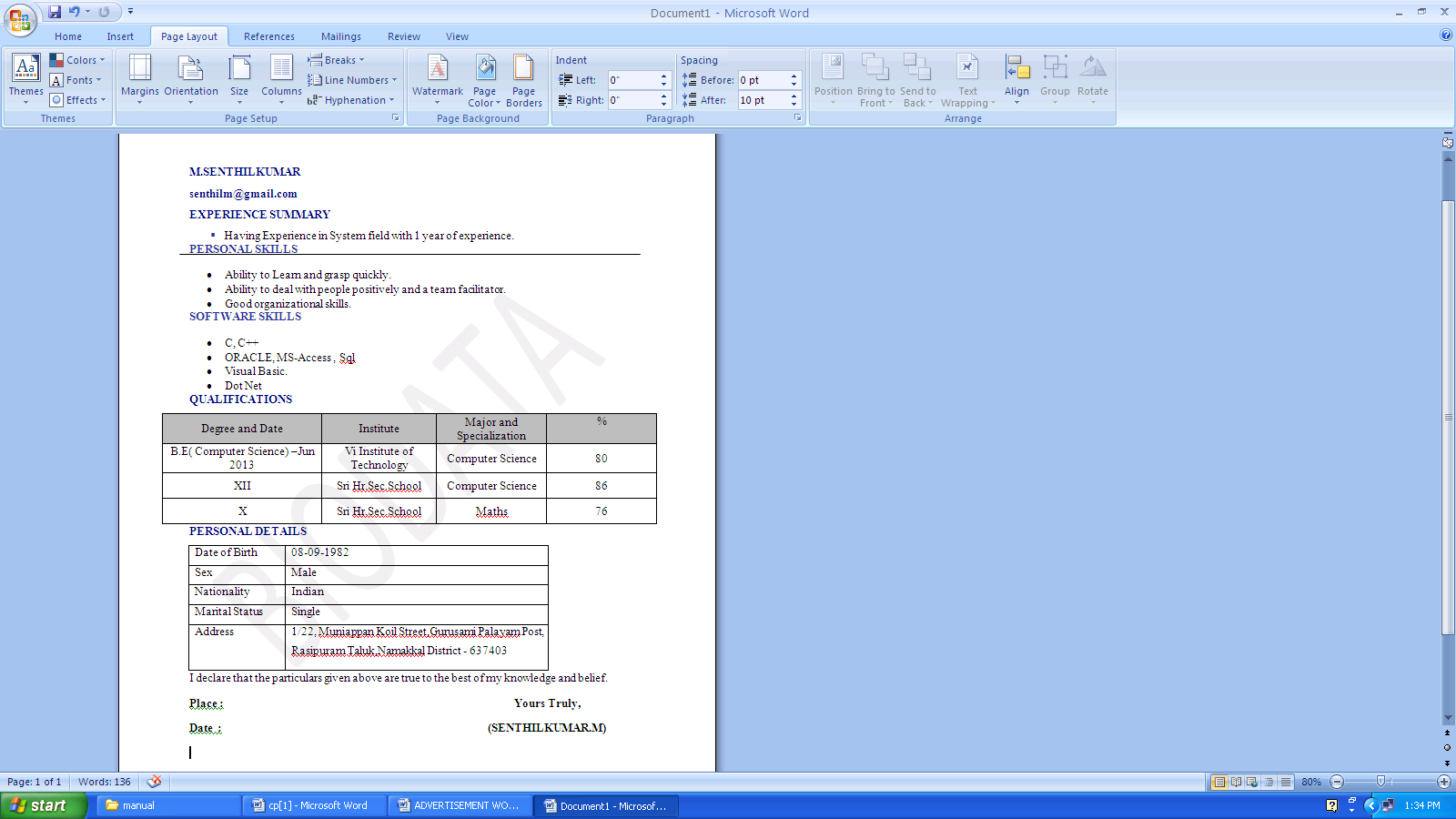
Step 3: Go to Page Layout🡪Margins🡪Assign🡪Left & Right Margins

Step 4: Go to Insert 🡪Page Numbers🡪Select footer on the right side🡪Ok.

Step 5: Go to Page Layout🡪Watermark🡪Customize text as Bio-data🡪Ok.

Step 6: Save the Document.

**OUTPUT:**



**RESULT:-**

Thus the curriculum vitae (CV) has been created with some specifications in Microsoft word successfully and verified.

**Ex.No:1c**

**Date: SCIENTIFIC NOTATIONS**

**AIM:**

To create a MS-WORD document for the following scientific notation

1. A=++ +
2. +
3. + 7🡪4 + 6o

**ALGORITHM:**

Step 1: Open a blank document.

Step 2: Go to Insert🡪Equation🡪Insert Equation🡪Select the specific format.

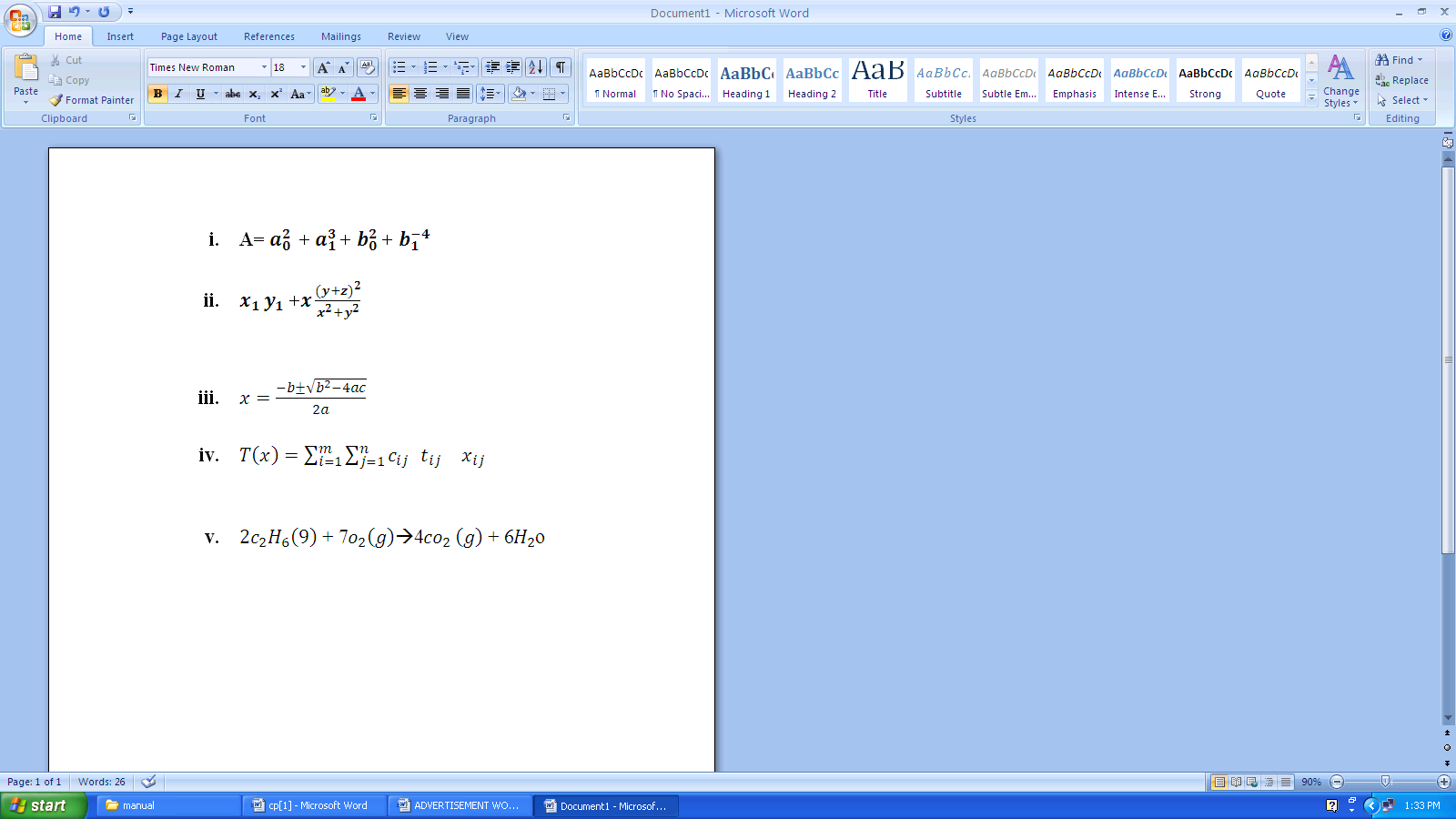
For eg , for ,…………..

Step 3: Select for

Step 4: Select for

Step 5: Save the document.

**OUTPUT:**



**RESULT:-**

Thus the scientific notations has been created in Microsoft word successfully and verified.

**Ex.No:2**

**Date: CREATING TIME TABLE & CONVERSION**

**AIM:**

To prepare a class timetable using Merge rows, Split row, Insert rows - columns etc and convert the table into text format.

**ALGORITHM:**

Step1: Open a blank document.

Step 2: Insert🡪Table🡪Insert Table🡪Select No of rows & columns🡪Ok.

Step 3: Select two cells Right click 🡪 Merge Cells.

Select one cell Right click🡪Split Cell

Select one row Right click 🡪Insert🡪Insert One row above or below

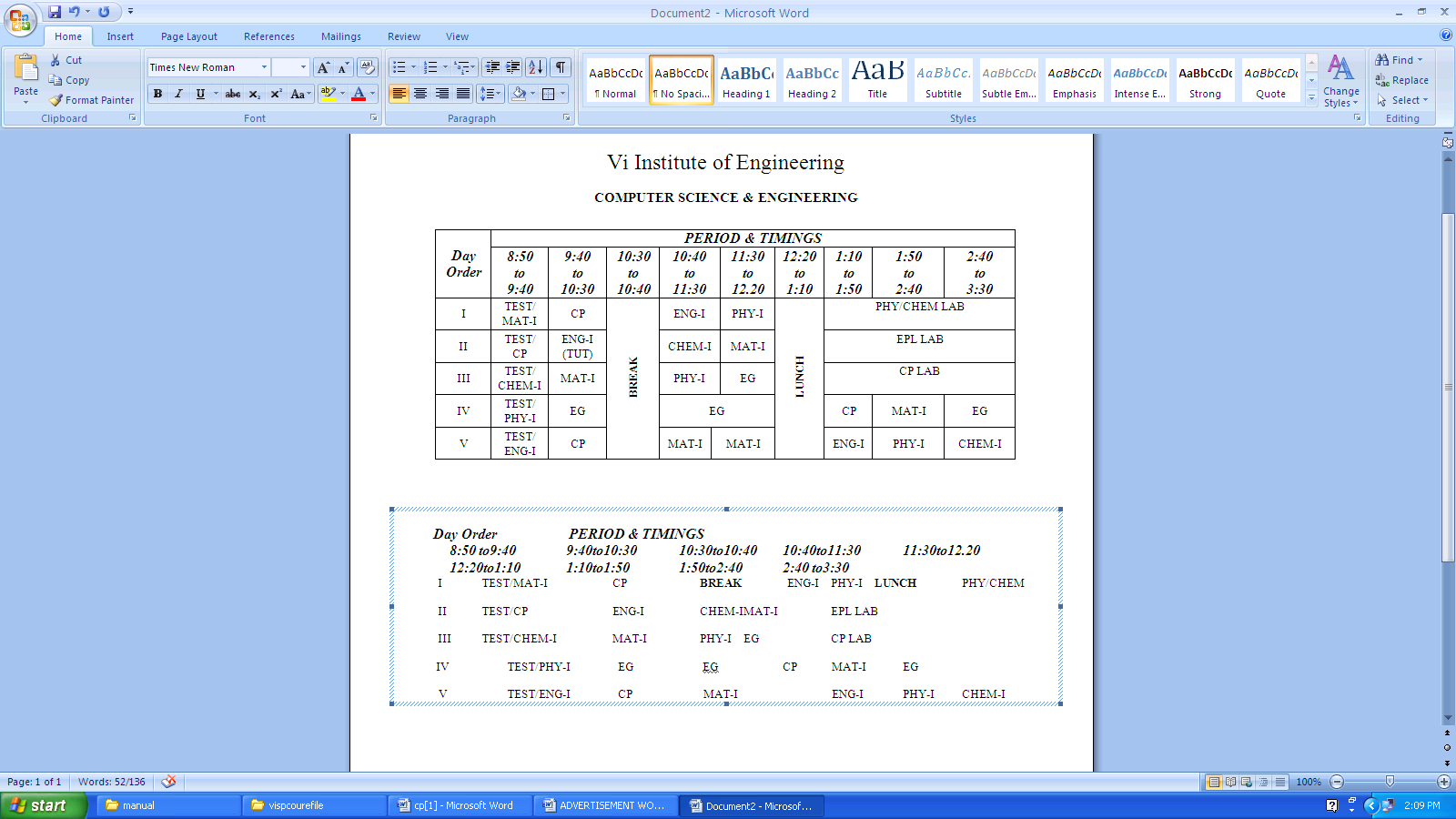
Select one column Right click 🡪Insert🡪Insert One column left or right

Step 4: Type a Class Timetable with Headings

Step 5: Go to Layout🡪Convert to text🡪Select Tabs🡪 Ok

Step 6: Save the document as Table and Text Format

**OUTPUT:**



**RESULT:-**

Thus the class time table has been created & table is converted into text in Microsoft word successfully and verified.

**Ex.No:3a**

**Date: MAIL MERGE & LETTER PREPARATION**

**AIM:-**

To create a WORD document to call letters for an interview using Mail Merge send to10 candidates

**ALGORITHM:-**

1. Open a blank document
2. Goto Mailings in Menu 🡪 Start Mail merge 🡪 Letters
3. Type a interview call letter with FROM address and leave some

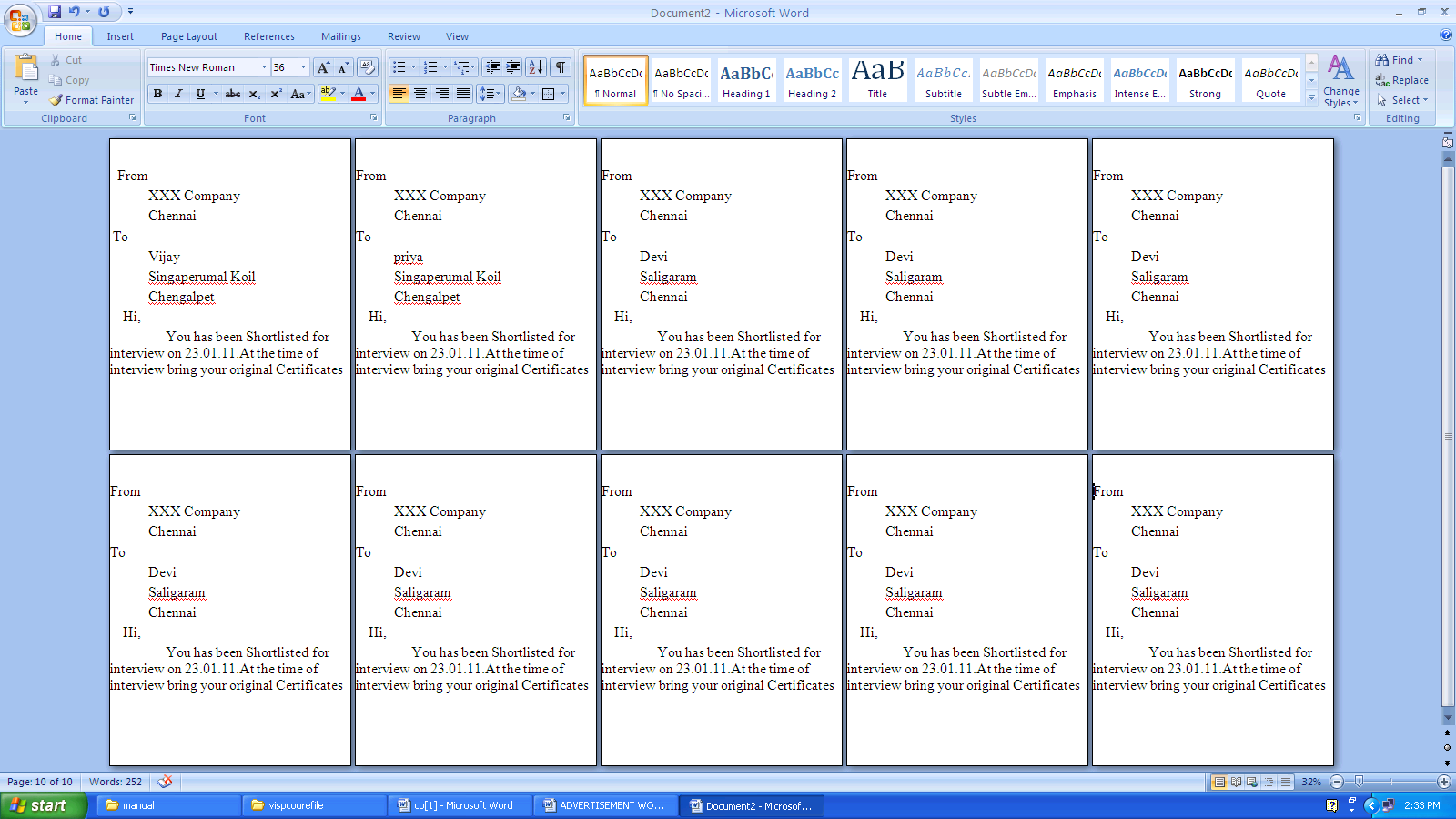
Space for TO address

1. Goto 🡪Select recipients 🡪 Type a new list 🡪Customize the

Columns 🡪 Ok

1. Type a 10 address new some fields🡪Ok🡪save it
2. Goto 🡪Select recipients 🡪 Use Existing list 🡪open a file 🡪Ok
3. Under the TO Address insert the Merge fields & preview the results
4. Goto Finish Merge🡪Edit individual Documents 🡪 All 🡪Ok
5. Save the document

**OUTPUT:**



**RESULT:-**

Thus the Mail Merge has been created in Microsoft word successfully and Verified.

**Ex.No:3b**

**Date: VISITING CARD**

**AIM:-**

To design a visiting card for a Managing Director of a company with the Size of 3.25 inch \* 2.5 inch

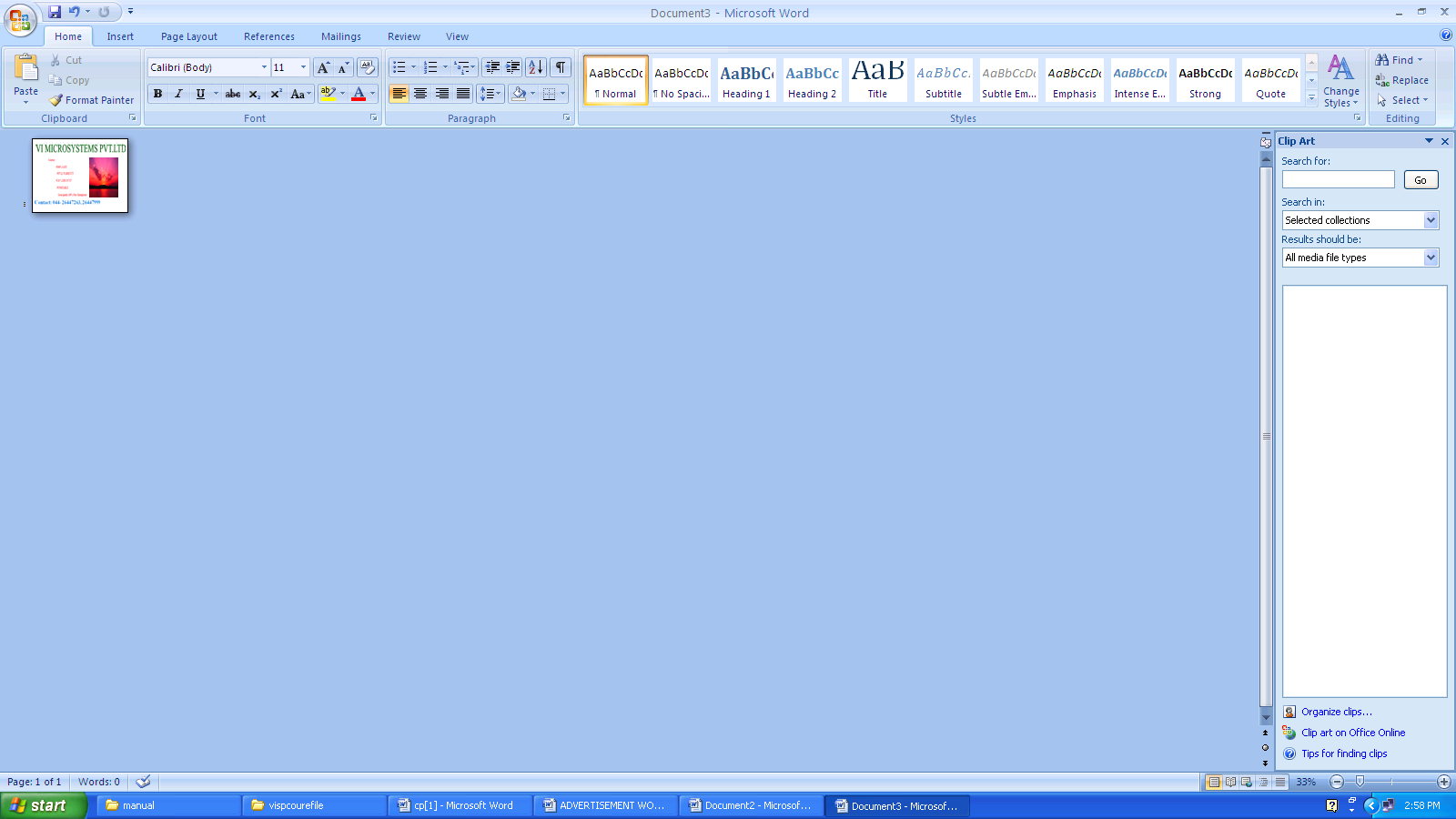
**ALGORITHM:-**

1. Open a blank document
2. Goto Page layout 🡪Size 🡪 More Paper Size 🡪 Assign width 3.25

& height is 2.5 🡪Ok

1. Type a visiting card with address and some images
2. Save the document

**OUTPUT:**

****

**RESULT:-**

Thus the visiting card for a Managing Director of a company has been created in Microsoft word successfully and verified.

**Ex.No:4**

**Date: DRAWING FLOW CHART**

**AIM:-**

To create a flowchart in WORD to find the greatest of three numbers

**ALGORITHM:-**

1. Open a blank document
2. Goto Insert 🡪 shapes🡪Flowchart
3. Insert the Correct shapes for Input box decision box ,Calculation

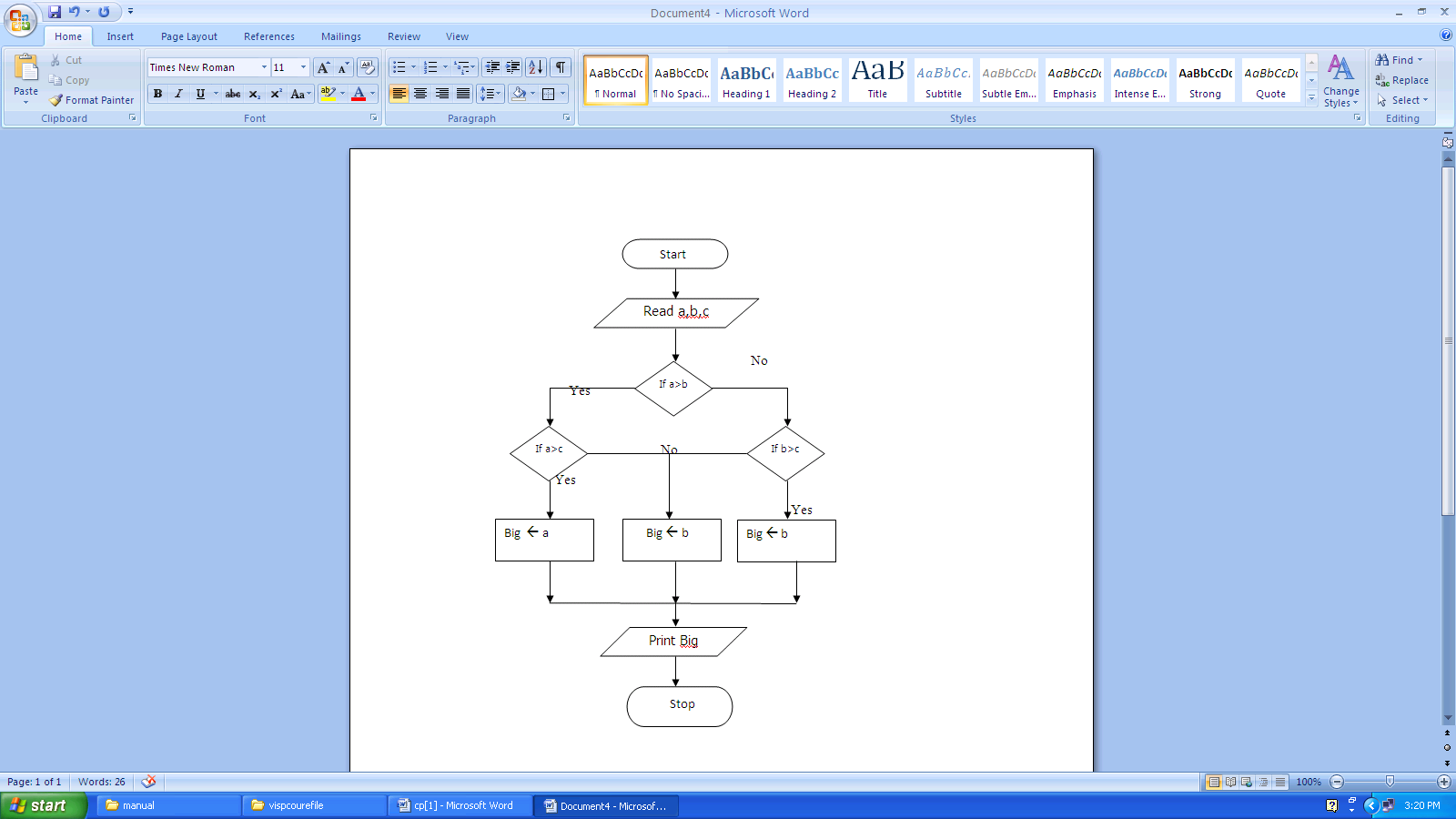
box and Output box

STEP 4: Select the box and Right Click 🡪 Add Text

STEP 5: Use Arrows for Link

STEP 6: Save the document

**OUTPUT:**

****

**RESULT:-**

Thus the flowchart in WORD to find the greatest of three numbers has been created in Microsoft word successfully and verified.

**Ex.No:5**

**Date:**

**SPREAD SHEET CHART (Line,XY,Bar and Pie)**

**AIM:-**

To create a EXCEL to analyze the marks of the students of a class using various

Chart(Line,XY,Bar and Pie).

**ALGORITHM:-**

1. Open a Microsoft Excel Worksheet.
2. Place the Cursor on the desired cell and start entering the required

Student details

1. To find the Total and Average using formula (Total = m1+m2+m3)

Average = (Total / 3)

1. Select the table and goto Insert 🡪 Chart 🡪 Choose one type of

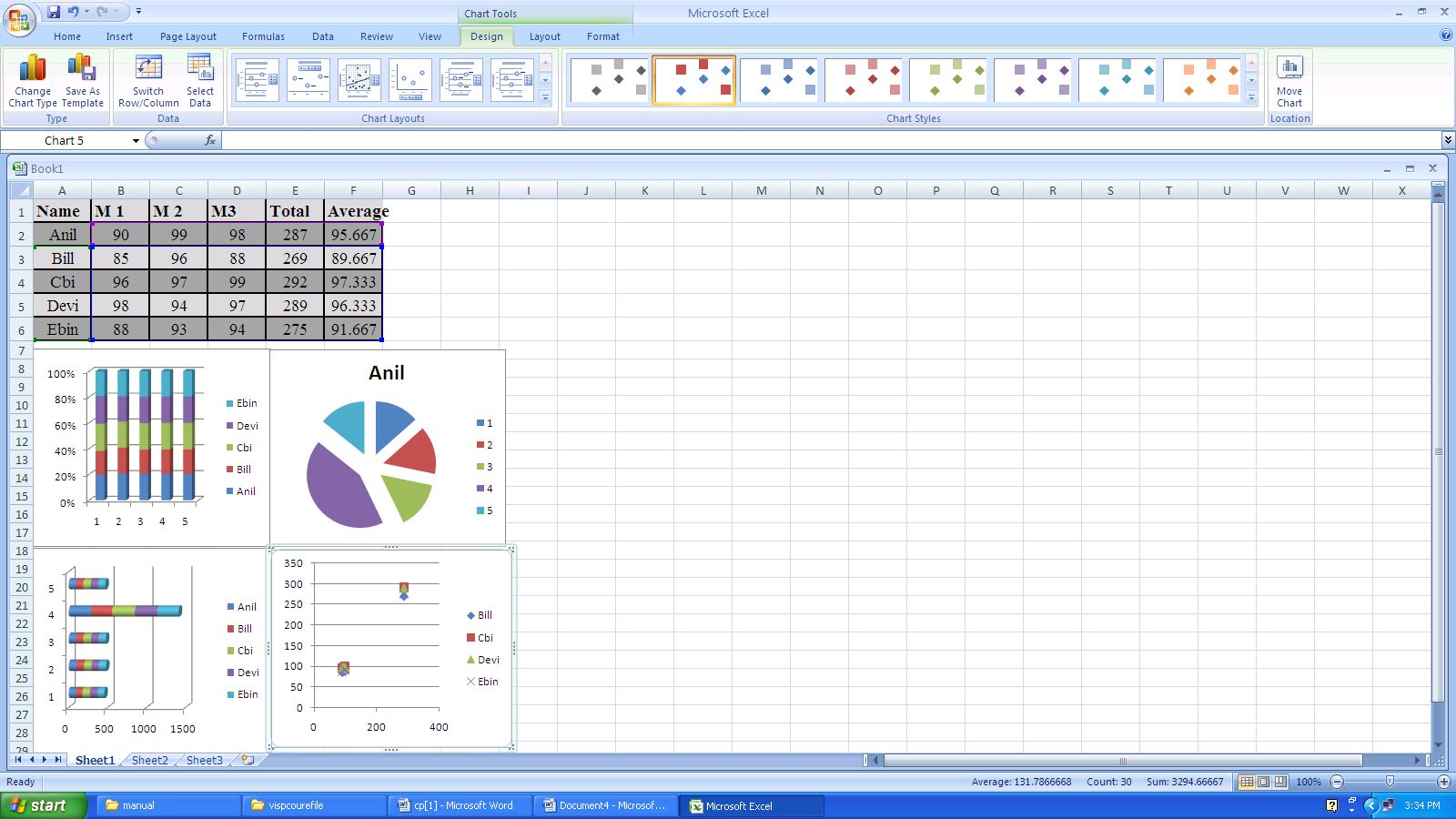
Chart

STEP 5: Reselect the table again and Insert 🡪 Chart 🡪 Choose another

type of Chart like wise do for all charts

STEP 6: Save the Excel Sheet

**OUTPUT:**



**RESULT:-**

Thus the **Spreadsheet** charts (Line,XY,Bar and Pie)for students marks has been created Successfully and verified.

**Ex.No:6**

**Date: SPREAD SHEET FORMULA EDITIR**

**AIM:-**

To create a spreadsheet to calculate HRA ,DA,TA,PF,LIC.Gross Salary ,Net Salary from the given data

**HRA**=18% of basic Pay **TA**=12% of Basic Pay **DA**=15% of Basic Pay

**PF** =10% of Basic Pay **LIC** =7% of Basic Pay **Deduction**= PF + LIC

**Gross Salary** = Basic Pay + HRA + DA + TA **Net Salary** = Gross Salary – Deduction

**ALGORITHM:-**

STEP 1: Open a Microsoft Excel Worksheet

STEP 2: Type the details about the employees and Basic Salary.

STEP 3: For HRA & DA, move to corresponding row & column and assign the

Formula =18/100\* BS (row & column) For DA ,move to corresponding

row & column and assign theormula =15/100\* BS (row & column)

STEP 4: For TA & PF, move to corresponding row & column and assign the

formula =12/100\* BS (row & column) For PF ,move to corresponding

row & column and assign the formula =10/100\* BS (row & column)

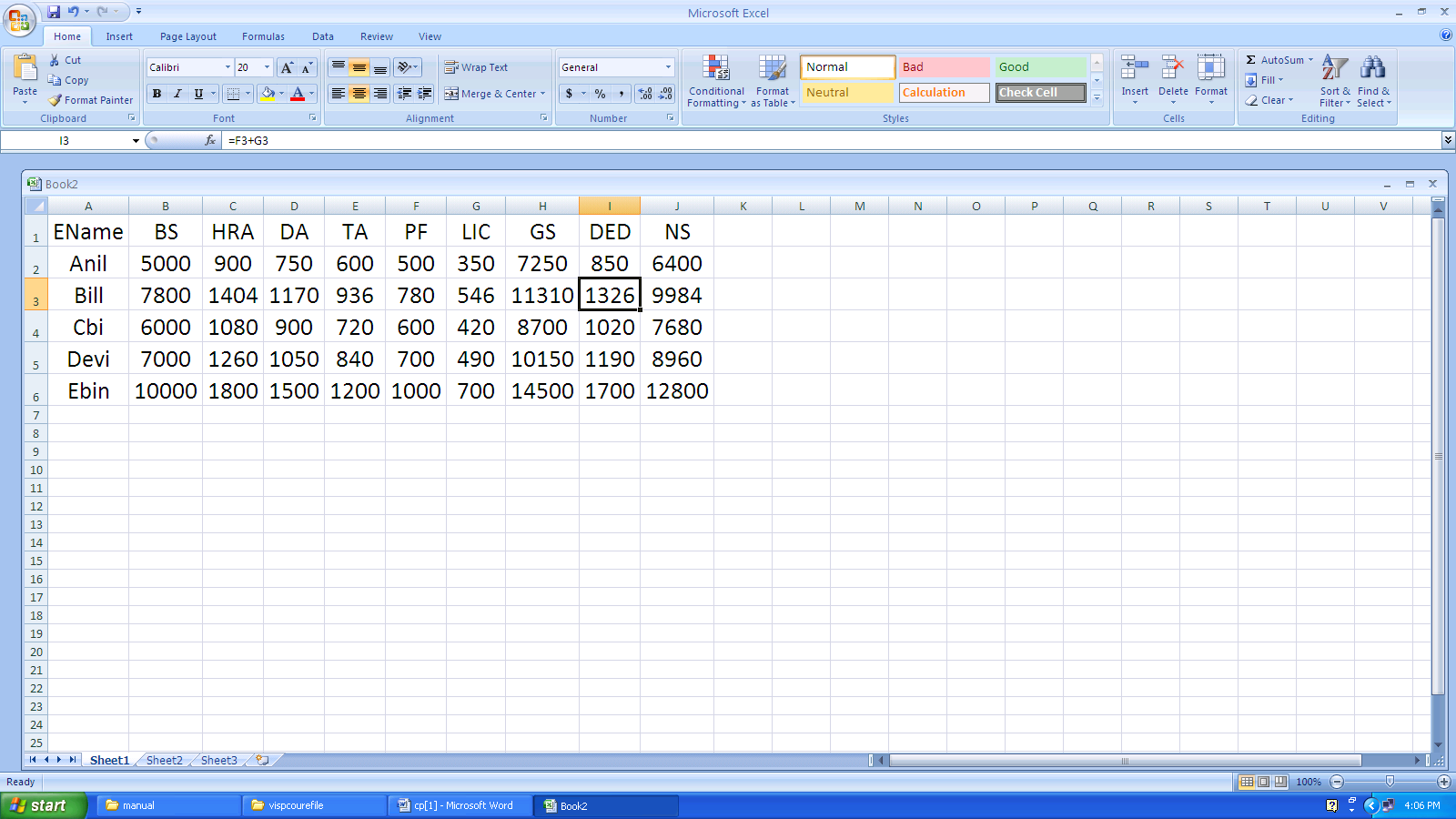
STEP 5: For LIC & GS, move to corresponding row & column and assign the

formula=7/100\* BS,For GS ,move to corresponding row & column and

assign the formula = Basic Pay + HRA + DA + TA

STEP 6: Likewise for Deduction and Net Salary and Save the ExcelSheet

**OUTPUT:**



**RESULT:-**

Thus the **Spreadsheet** to calculate HRA ,DA,TA,PF,LIC.Gross Salary ,Net Salary from the given data has been created Successfully and verified.

**Ex.No:7**

**Date: PROTECT SPREAD SHEET**

**AIM:-**

To create a spreadsheet insert a Picture and apply the option of protecting the

document

**ALGORITHM:-**

STEP 1: Open a Microsoft Excel Worksheet

STEP 2: Goto Insert 🡪 Select the Picture 🡪Insert and type some Text.

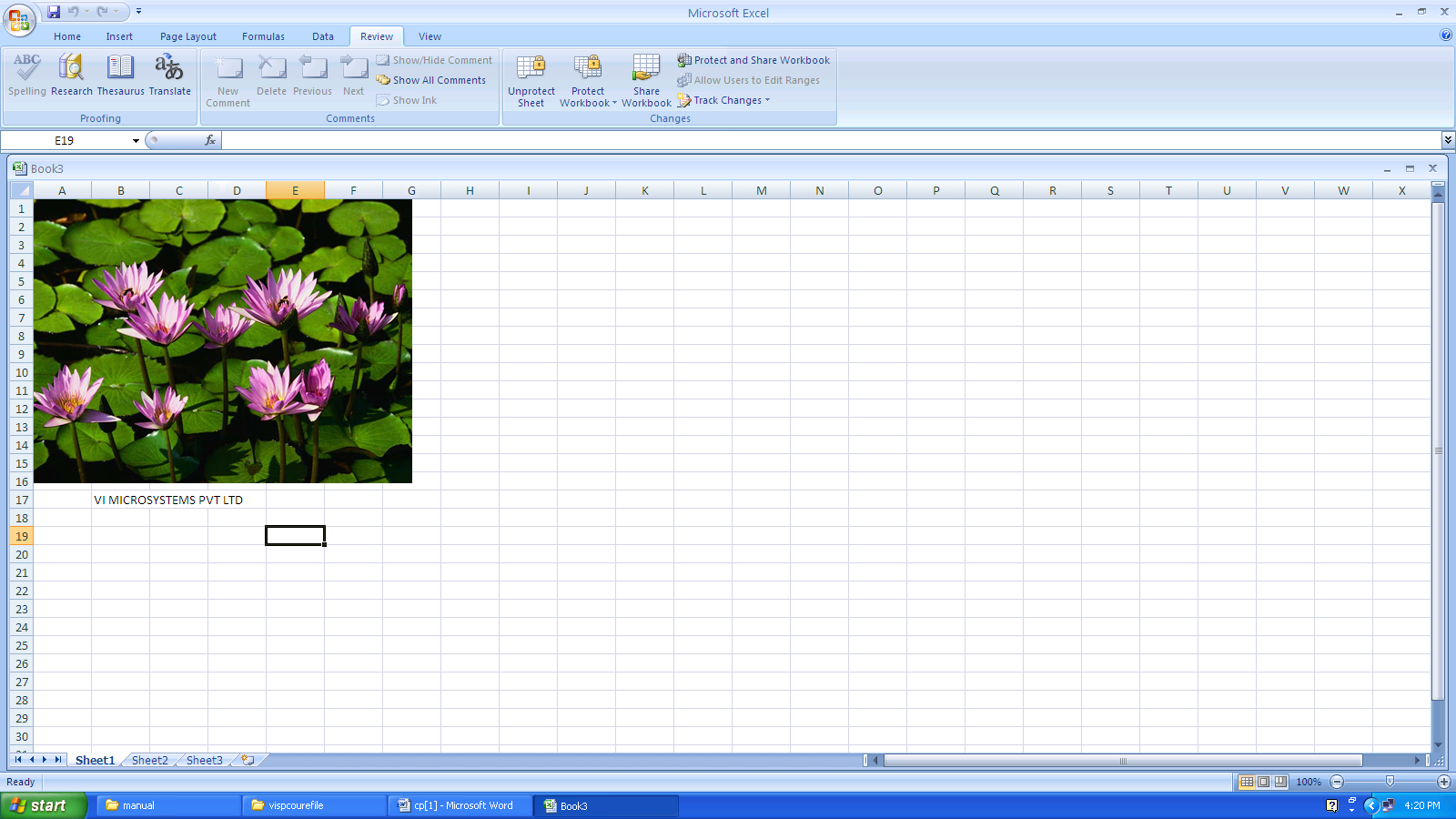
STEP 3: Goto Review 🡪 Protect Sheet 🡪 Set a Password & Reenter the Password

STEP 4: For Unprotect again Goto Review 🡪UnProtect Sheet 🡪 Type Password

STEP 5: Modify the Worksheet and protect it

STEP 6: Save the ExcelSheet

**OUTPUT:**

****

**RESULT:-**

Thus the inclusion of object in worksheet and protected successfully and

Verified.

**Ex.No:8**

**Date:**

**SPREAD SHEET SORTING & IMPORT /EXPORT FEATURES**

**AIM:-**

To create a spreadsheet to sort the names and sort the numbers and convert the numbers

Decimal numbers:- 243,46,173,425,625

Binary numbers:-11011, 1110110101, 11001, 11111

**ALGORITHM:-**

1. Open a Microsoft Excel Worksheet.
2. Type some list of names in randomly
3. Select the names and Right click 🡪 Sort🡪Select the names and sort

In Ascending Order ( A to Z)

1. Select the numbers and Right click 🡪 Sort🡪Select the numbers and

sort In Ascending Order ( Small to Large)

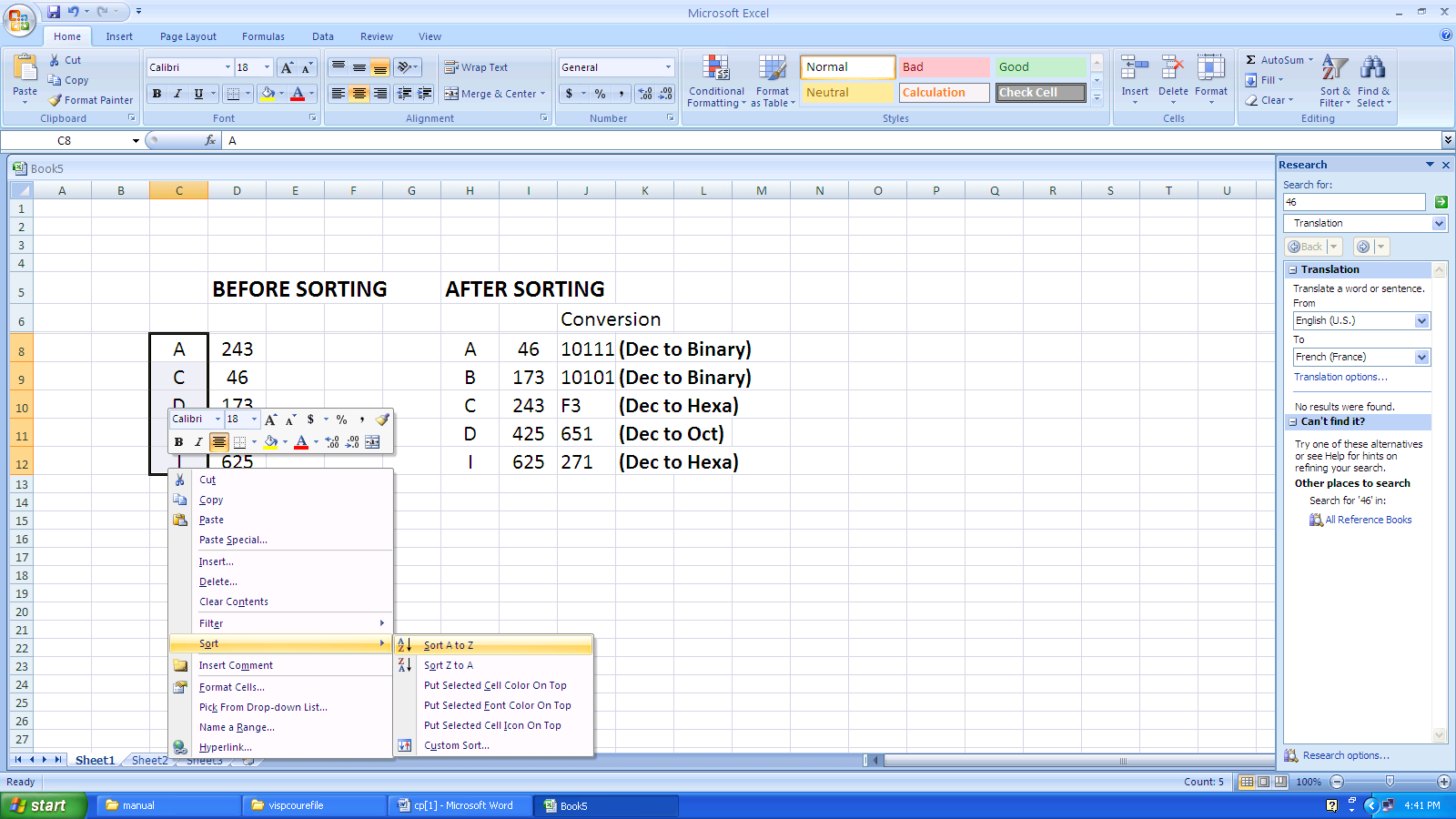
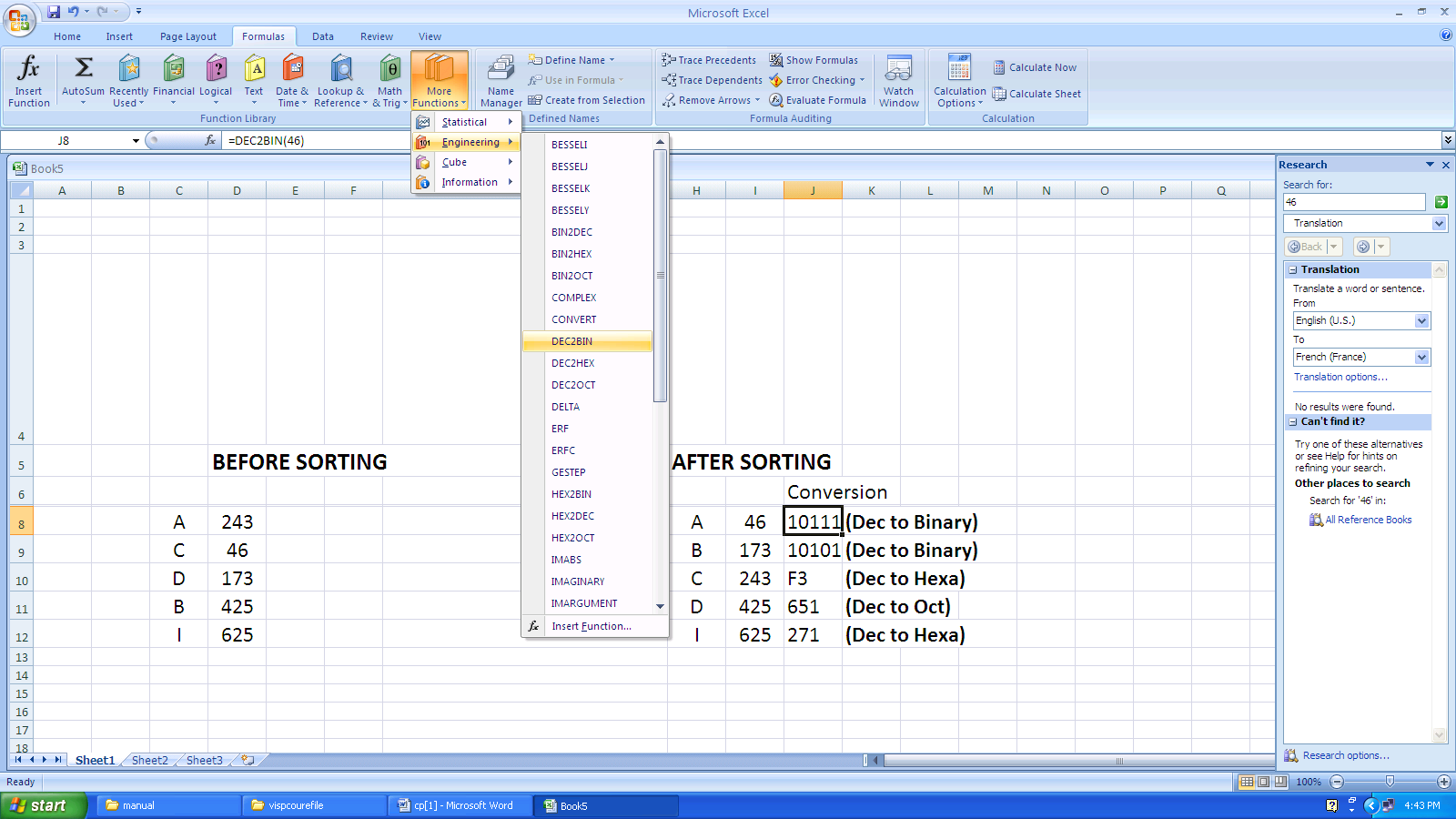
1. For Conversion Goto Formula 🡪Select More

Functions🡪Engineering🡪Select DEC2BIN, DEC2HEX,DEC2OCT

and BIN2DEC,BIN2HEX,BIN2OCT etc

STEP 6: Save the ExcelSheet

**OUTPUT:**



**RESULT:-**

Thus the worksheet name & Numbers are sorted and Conversion (Import/Export Features)has been created successfully and Verified.

**PROGRAM:**

#include<stdio.h>

main()

{

float b;

int a;

printf("\nEnter an Integer\n");

scanf("%d",&a);

b=(float)a;

printf("\nThe Converted float value is %f",b);

}

**OUTPUT:**

Enter an Integer

45

The Converted float value is 45.00000

**PROGRAM:**

#include<stdio.h>

main()

{

int a,b,c;

printf("Enter Number 1\n"); scanf("%d",&a); printf("Enter Number 2\n");

scanf("%d",&b);

c=a\*b;

printf("\nThe Multiplication Result is %d\n",c);

}

**OUTPUT:**

Enter Number 1

34

Enter Number 2

7

The Multiplication Result is 238

**PROGRAM:**

#include<stdio.h>

main()

{

int m1,m2,m3,m4,m5,tot;

float avg;

printf("Enter 5 Marks\n"); scanf("%d%d%d%d%d",&m1,&m2,&m3,&m4,&m5); tot=m1+m2+m3+m4+m5;

avg=tot/5;

printf("\n The Average is %f\n",avg);

}

**OUTPUT:**

Enter 5 Marks

88

84

79

90

94

The Average is 87

**PROGRAM:**

#include<stdio.h>

main()

{

int v,g,c,d,dr;

float r,nr;

printf("Enter the value of v\n");

scanf("%d",&v);

printf("Enter the value of g\n");

scanf("%d",&g);

printf("Enter the value of c\n");

scanf("%d",&c);

printf("Enter the value of d\n"); scanf("%d",&d); nr=(2\*v)+(6.22\*c\*d);

dr=g+v;

r=nr/dr;

printf("The Evaluated Result is %f\n",r);

}

**OUTPUT:**

Enter the value of v

2

Enter the value of g

4

Enter the value of c

6

Enter the value of d

8

The Evaluated Result is 50.426666

**PROGRAM:**

#include<stdio.h>

main()

{

int mm,m;

printf("Enter the Millimeter\n");

scanf("%d",&mm);

m=mm\*1000;

printf("The Converted meter is %d",m);

}

**OUTPUT:**

Enter the Millimeter

12

The Converted meter is 12000

**PROGRAM:**

#include<stdio.h>

main()

{

int a,rem;

printf("Enter a Number\n");

scanf("%d",&a); rem=a%2; if(rem==0)

printf("The Given Number is Even");

else

printf("The Given Number is Odd");

}

**OUTPUT:**

Enter a Number

13

The Given Number is Odd

**PROGRAM:**

#include<stdio.h>

main()

{

int a,b,c;

printf("Enter 3 Numbers\n"); scanf("%d%d%d",&a,&b,&c); if(a>b)

{

if(a>c)

{

printf("The First Number %d(a) is Biggest\n",a);

}

}

else if(b>c)

16

{

printf("The Second Number %d(b) is Biggest\n",b);

}

else

printf("The Third Number %d(c) is Biggest\n",c);

}

**OUTPUT:**

Enter 3 Numbers

5

9

2

The Second Number 89(b) is Biggest

**PROGRAM:**

#include<stdio.h>

main()

{

int i,n,sum=0;

printf("Enter the range\n");

scanf("%d",&n);

i=1;

while(i<=n)

{ sum=sum+i; i++;

}

printf("\nThe sum of first %d numbers is %d\n",n,sum);

}

**OUTPUT:** Enter the range

16

The sum of first 16 numbers is 136

**PROGRAM:**

#include<stdio.h>

main()

{

int n,i,sum=0;

printf("Enter a Number\n");

scanf("%d",&n);

do

{ i=n%10; sum=sum+i; n=n/10;

}while(n>0);

printf("The Sum of digit is %d\n",sum);

}

**OUTPUT:**

Enter a Number

5891

The Sum of digit is 23

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

#include<math.h>

void main()

{

int no,i;

float x,a,sum,b;

clrscr();

printf("enter the number");

scanf("%f%d",&x,&no);

b=x;

x=x\*3.14/180;

a=x;

sum=x;

for(i=1;i<no+1;i++)

{

a=(a\*pow((double)(-1),(double)(2\*i-1))\*x\*x)/(2\*i\*(2\*i+1));

sum=sum+a;

}

printf("sine(%f)value is%f",b,sum);

getch();

}

**OUTPUT:**

enter the number 90

sine value is 1.00

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

#include<math.h>

main()

{

float x,a,sum,temp;

int i,no=20,mul;

clrscr();

printf("\n Enter the value of x");

scanf("%f",&x);

a=x;

x=x\*(3.14/180);

temp=1,sum=1;

for(i=1;i<no+1;i++)

{

temp=(temp\*pow((double)(-1),(double)(2\*i-1))\*x\*x)/(2\*i\*(2\*i-1));

sum=sum+temp;

}

printf("\n the cosine value of %fis%f",a,sum);

getch();

return 0;

}

**OUTPUT:**

enter the number 90

cosine value is 0.0

**PROGRAM:**

#include<stdio.h>

main()

{

int a,b,ch,c;

printf("\nEnter the Number 1:\n");

scanf("%d",&a);

printf("\nEnter the Number 2:\n"); scanf("%d",&b); printf("\n1.Add\n2.Subtract\n3.Multiply\n4.Divide\n"); printf("\nEnter the Choice:\n");

scanf("%d",&ch);

switch(ch)

{

case 1:

c=a+b;

printf("\n %d + %d = %d\n",a,b,c);

break;

case 2:

c=a-b;

printf("\n %d - %d = %d\n",a,b,c);

break;

case 3:

c=a\*b;

printf("\n %d \* %d = %d\n",a,b,c);

break;

case 4:

c=a/b;

printf("\n %d / %d = %d\n",a,b,c);

break;

}

}

**OUTPUT:**

Enter the Number 1:

15

Enter the Number 2:

56

1.Add

2.Subtract

3.Multiply

4.Divide

Enter the Choice: 2

15 - 56 = -41

**PROGRAM:**

#include<stdio.h>

#include<math.h>

main()

{

int a,i,sum=0,n,ch,m; printf("\nEnter a Number\n"); scanf("%d",&a);

printf("\n1.Palindrome\n2.Armstrong\n3.Prime\n");

printf("\nEnter the Choice:\n");

scanf("%d",&ch);

switch(ch)

{

case 1: n=a; while(a>0)

{ i=a%10; sum=(sum\*10)+i; a=a/10;

}

if(n==sum)

printf("Given Number is Palindrome\n");

else

printf("Given Number is Not Palindrome\n");

break; case 2: n=a;

do

{ i=a%10; sum=sum+(i\*i\*i);

a=a/10;

}while(a>0);

if(n==sum)

printf("Given Number is Armstrong\n");

else

printf("Given Number is Not Armstrong\n");

break; case 3: m=5; n=sqrt(a);

for(i=2;i<=n;i++)

{

if(a%i==0)

{ m=0; break;

}

}

if(m==0)

printf("Given Number is Prime\n");

else

printf("Given Number is Not Prime\n");

break;

}

}

**OUTPUT:**

Enter a Number

121

1.Palindrome

2.Armstrong

3.Prime

Enter the Choice:

1

Given Number is Palindrome

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

void main()

{

int fact=1,i,num;

clrscr();

printf("Enter the number");

scanf("%d",&num);

for(i=1;i<=num;i++)

{

fact=fact\*i;

}

printf("The factorial of %d is %d",num,fact);

getch();

}

**OUTPUT:**

Enter the number

5

The factorial of 5 is 120

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

void main()

{

int num,fib=0,a=0,b=1,i;

clrscr();

printf("Enter the number");

scanf("%d",&num);

printf("FIBONACI,SERIES ");

if(num==0)

printf("0");

else

{

for(i=0;i<num;i++)

{

fib=fib+a;

a=b;

b=fib;

printf("%d",fib);

getch();

}

}

}

**OUTPUT:**

Enter the number 5

FIBONACCI SERIES 01123

**PROGRAM:**

#include<stdio.h>

#include<conio.h>

void main()

{

int bnum,digit,decimal=0,bin,base=0;

clrscr();

printf("\n enter the Binary no:");

scanf("%d",&bnum);

bin=bnum;

while(bnum!=0)

{

digit=bnum%10;

decimal=decimal+(digit<<base);

base=base+1;

bnum=bnum/10;

}

printf("\n the binary %d to decimal is=%d",bin,decimal);

getch();

}

**OUTPUT:**

**PROGRAM:**

#include<stdio.h>

main()

{

int i,n,a[10],sum=0;

printf("Enter total no. of Elements\n");

scanf("%d",&n);

printf("Enter Array elements one by one\n");

for(i=0;i<n;i++) scanf("%d",&a[i]); for(i=0;i<n;i++) sum=sum+a[i];

printf("The Sum of Array Elements is %d\n",sum);

}

**OUTPUT:**

Enter total no. of Elements

8

Enter Array elements one by one

15

69

32

10

45

66

32

11

The Sum of Array Elements is 280

**PROGRAM:**

#include<stdio.h>

main()

{

int i,n,a[10];

printf("Enter total no. of Elements\n");

scanf("%d",&n);

printf("Enter Array elements one by one\n");

for(i=0;i<n;i++)

scanf("%d",&a[i]);

printf("The even numbers of given array:\n");

for(i=0;i<n;i++)

{

if(a[i]%2==0)

printf("%d\n",a[i]);

}

}

**OUTPUT:**

Enter total no. of Elements

6

Enter Array elements one by one

98

11

35

61

22

14

The even numbers of given array:

98

22

14

**PROGRAM:**

#include<stdio.h>

int main(){

int a[5][5],b[5][5],c[5][5],i,j,k,sum=0,m,n,o,p; printf("\nEnter the row and column of first matrix"); scanf("%d %d",&m,&n);

printf("\nEnter the row and column of second matrix");

scanf("%d %d",&o,&p);

if(n!=o){

printf("Matrix mutiplication is not possible");

printf("\nColumn of first matrix must be same as row of second matrix");

}

else{

printf("\nEnter the First matrix->");

for(i=0;i<m;i++) for(j=0;j<n;j++) scanf("%d",&a[i][j]);

printf("\nEnter the Second matrix->");

for(i=0;i<o;i++) for(j=0;j<p;j++) scanf("%d",&b[i][j]);

printf("\nThe First matrix is\n");

for(i=0;i<m;i++){ printf("\n"); for(j=0;j<n;j++)

{

printf("%d\t",a[i][j]);

}

}

printf("\nThe Second matrix is\n");

for(i=0;i<o;i++){ printf("\n"); for(j=0;j<p;j++){ printf("%d\t",b[i][j]);

}

}

for(i=0;i<m;i++) for(j=0;j<p;j++) c[i][j]=0;

for(i=0;i<m;i++)

{

//row of first matrix

for(j=0;j<p;j++)

{

//column of second matrix

sum=0;

for(k=0;k<n;k++)

sum=sum+a[i][k]\*b[k][j];

c[i][j]=sum;

}

}

}

printf("\nThe multiplication of two matrix is\n");

for(i=0;i<m;i++)

{

printf("\n"); for(j=0;j<p;j++)

{

printf("%d\t",c[i][j]);

}

}

return 0;

}

**OUTPUT:**

Enter the value of the first matrix:

2 3

3 4

Enter the value of the second matrix:

3 4

4 5

Product of the two matrices is

18 23

25 32

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char s[20],s1[20]; printf("Enter a String\n"); scanf("%s",s); strcpy(s1,s); if(strcmp(s,s1)==0)

printf("The Given String is Palindrome\n");

else

printf("The Given String is Not Palindrome\n");

}

**OUTPUT:**

Enter a String madam

The Given String is Palindrome

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char s[20],s1[20]; printf("Enter aString1\n"); scanf("%s",s);

printf("Enter a String2\n");

scanf("%s",s1);

strcat(s,s1);

printf("The Concatenated String is %s\n",s);

}

**OUTPUT:**

Enter aString1 hai

Enter aString2 hello

The Concatenated String is haihello

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char src[50]=”Hello”;

char dest[50];

puts(“source string is”);

puts(src);

strcpy(dest,src);

puts(“destination string is”);

puts(dest);

}

**OUTPUT:**

Source string is

Hello

Destination string is

Hello

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char str1[50];

char str2[50];

int res;

puts(“enter string1”);

gets(str1);

puts(“enter string2”);

gets(str2);

res=strcmp(str1,str2);

if(res= =0)

puts(“strings are equal”);

else

puts(“strings are not equal);

}

**OUTPUT:**

Enter string 1:

Hello

Enter string 2:

Hi

Strings are not equal

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

Char str[20];

Puts(“enter a string”);

gets(str);

strupr(str);

puts(“ upper case is”)

puts(str);

}

**OUTPUT:**

Enter a string hello

Upper case is HELLO

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char str[20];

Puts(“enter a string”);

gets(str);

strlwr(str);

puts(“ lower case is”)

puts(str);

}

**OUTPUT:**

Enter a string HELLO

Lower case is hello

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char str[20];

Puts(“enter a string”);

gets(str);

strrev(str);

puts(“ after reversal string is”)

puts(str);

}

**OUTPUT:**

Enter a string hello

after reversal string is olleh

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char str[20]=”123456789”

char ch=’c’;

puts(“before using string set string is ”);

puts(str);

strset(str,ch);

puts(“after using string set string is ”);

puts(str);

}

**OUTPUT:**

Before using string set string is 123456789

After using string set string is ccccccccc

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char str[20],ch;

char \*ptr;

Puts(“enter a string”);

gets(str);

puts(“enter a string to be found”);

scanf(“%c”,&ch);

ptr=strchr(str,ch);

if(ptr==NULL);

puts(“ Character not found ”)

else

puts(“Located at the index %d”,ptr-str”);

}

**OUTPUT:**

Enter a string hello

Enter a character to be found:e

Located at the index 1

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char str[20],str2[20];

char \*ptr;

Puts(“enter a string”);

gets(str1);

puts(“enter a string to be found”);

gets(str2);

ptr=strstr(str1,str2);

if(ptr==NULL);

puts(“ string not found ”)

else

puts(“Located at the index %d”,ptr-str1”);

printf(“found in %s”,ptr);

}

}

**OUTPUT:**

Enter a string hello readers!!

Enter a character to be found:read

Located at the index 6

Found in readers!!

**PROGRAM:**

#include<stdio.h>

#include<string.h>

main()

{

char \*ptr=”dear”;

char name[50]=”readers”;

printf(“length of the string is”);

printf(“dear is %d”,strlen(ptr));

printf(“readers is %d”,strlen(name));

}

**OUTPUT:**

The length of string

dear is 4

readers is 6

**PROGRAM:**

#include<stdio.h>

void isleap()

{

int yr;

printf("Enter a Year\n");

scanf("%d",&yr);

if(yr%4==0)

printf("Given Year is Leap year");

else

printf("Given Year is Not a Leap year");

}

main()

{

isleap();

}

**OUTPUT:**

Enter a Year

1965

Given Year is Not a Leap year

**PROGRAM:**

#include<stdio.h>

#include<math.h>

float area()

{

int a,b,c;

float s,ar;

printf("Enter 3 Sides\n"); scanf("%d%d%d",&a,&b,&c); s=(a+b+c)/2;

ar=sqrt(s\*(s-a)\*(s-b)\*(s-c));

return ar;

}

main()

{

float a;

a=area();

printf("The Area of Triangle is %f\n",a);

}

**OUTPUT:**

Enter 3 Sides

12

8

7

The Area of Triangle is 19.748418

**PROGRAM:**

#include<stdio.h>

void sorting(int a[],int n)

{

int i,j,t;

for(i=0;i<n-1;i++)

{

for(j=i+1;j<n;j++)

{

if(a[i]>a[j])

{ t=a[i]; a[i]=a[j]; a[j]=t;

}

}

}

printf("Array Elemets before sorting\n");

for(i=0;i<n;i++)

printf("%d\t",a[i]);

}

main()

{

int i,a[10],n;

printf("Enter total no. of elements\n");

scanf("%d",&n);

printf("Enter Array Elements one by one\n");

for(i=0;i<n;i++)

scanf("%d",&a[i]);

printf("Array Elemets before sorting\n");

for(i=0;i<n;i++)

printf("%d\t",a[i]); printf("\n"); sorting(a,n);

}

**OUTPUT:**

Enter total no. of elements

6

Enter Array Elements one by one

21

2

9

45

30

11

Array Elemets before sorting

21 2 9 45 30 11

Array Elemets before sorting

2 9 11 21 30 45

**PROGRAM:**

#include<stdio.h>

int small(int a[],int n)

{

int s,i; s=a[0]; for(i=0;i<n;i++)

{ if(a[i]<s) s=a[i];

}

return s;

}

main()

{

int i,a[10],n,s;

printf("Enter total no. of elements\n");

scanf("%d",&n);

printf("Enter Array Elements one by one\n");

for(i=0;i<n;i++) scanf("%d",&a[i]); printf("Array Elemets:\n"); for(i=0;i<n;i++)

printf("%d\t",a[i]); printf("\n"); s=small(a,n);

printf("The Smallest element of given array is %d",s);

}

**OUTPUT:**

Enter total no. of elements

5

Enter Array Elements one by one

1

98

2

66

0

Array Elemets:

1 98 2 66 0

The Smallest element of given array is 0

**PROGRAM:**

#include<stdio.h>

void swap(int,int);

void main()

{

int a=10,b=20;

printf(“ before swap values are %d,%d”,a,b);

swap(a,b);

printf(“after swap values are %d%d”a,b);

}

Void swap(int x,int y)

{

x=x+y;

y=x-y;

x=x-y;

printf(“In swap functions values are%d%d” x,y);

}

**OUTPUT:**

before swap values are 10 20

In swap functions values are 20 10

after swap values are 10 20

**PROGRAM:**

#include<stdio.h>

void swap(int\*,int\*);

void main()

{

int a=10,b=20;

printf(“ before swap values are %d,%d”,a,b);

swap(&a,&b);

printf(“after swap values are %d%d”a,b);

}

Void swap(int \*x,int \*y)

{

\*x=\*x+\*y;

\*y=\*x-\*y;

\*x=\*x-\*y;

printf(“In swap functions values are%d%d” \*x,\*y);

}

**OUTPUT:**

before swap values are 10 20

In swap functions values are 20 10

after swap values are 10 20

**PROGRAM:**

#include<stdio.h>

int factorial(int n)

{

if(n==0 || n==1)

return 1;

else

return n\*factorial(n-1);

}

main()

{

int n;

printf("\nEnter a Number\n");

scanf("%d",&n);

printf("\nThe factorial of %d is %d\n",n,factorial(n));

}

**OUTPUT:**

Enter a Number 6

The factorial of 6 is 720

**PROGRAM:**

#include<stdio.h>

struct student

{

int rno,m1,m2,m3;

float avg;

char name[20],dept[10];

};

main()

{

struct student s;

printf("Enter the Student Details:\n"); printf("Enter the Stuent roll no:\n"); scanf("%d",&s.rno);

printf("Enter the Stuent Name:\n");

scanf("%s",&s.name); printf("Enter the Stuent Dept:\n"); scanf("%s",&s.dept);

printf("Enter the 3 marks:\n"); scanf("%d%d%d",&s.m1,&s.m2,&s.m3); s.avg=(s.m1+s.m2+s.m3)/3;

printf("The Student Average is :%f\n",s.avg);

}

**OUTPUT:**

Enter the Student Details:

Enter the Stuent roll no:

12

Enter the Stuent Name: Kumar

Enter the Stuent Dept: CSE

Enter the Stuent marks:

40

18

90

The Student Average is :49.000000

**PROGRAM:**

#include<stdio.h>

union book

{

int price;

char bname[20];

};

main()

{

union book b;

printf("Enter the Book Details:\n");

printf("Enter the Book Name:\n");

scanf("%s",&b.bname); printf("Enter the Book Price:\n"); scanf("%d",&b.price); printf("BOOK DETAILS:\n"); printf("%s%d\n",b.bname,b.price); printf("Enter the Book Name:\n"); scanf("%s",b.bname);

printf("Book Name=%s\n",b.bname);

}

**OUTPUT:**

Enter the Book Details:

Enter the Book

Name: English

Enter the Book Price:

150

BOOK DETAILS:

150

Enter the Book Name: English

Book Name=English