Assignment-5

1. Write a program to calculate the sum of two numbers.
2. Write a program to calculate the area of a circle.
3. Write a program to calculate the volume of a Cuboid.
4. Write a program to calculate the simple interest
5. Write a program to calculate the area of a rectangle
6. Write a program to calculate the average of three numbers
7. Write a program to calculate the square of a given number.
8. Write a program which takes a character as input and print its ASCII code.
9. Write a program to calculate the profit percentage upon selling a product. Cost price and selling price are given by the user.
10. Write a program to calculate the area of a triangle where base and height of the triangle are given.

Ans1:

#include<stdio.h>

#include<conio.h>

int main()

{

    int a,b,c;

    printf("Enter two numbers:");

    scanf("%d %d",&a,&b);

    c=a+b;

    printf("The sum of %d and %d is %d.",a,b,c);

    getch();

}

Ans2:

#include<stdio.h>

#include<conio.h>

int main()

{

    float a,r;

    printf("Enter radius of cicle:");

    scanf("%f",&r);

    a=3.14\*r\*r;

    printf("The area of circle with radius %f is %f.",r,a);

    getch();

}

Ans3:

#include<stdio.h>

#include<conio.h>

int main()

{

    float a,b,c,v;

    printf("Enter length of cuboid:");

    scanf("%f",&a);

    printf("Enter breadth of cuboid:");

    scanf("%f",&b);

    printf("Enter height of cuboid:");

    scanf("%f",&c);

    v=a\*b\*c;

    printf("The volume of cuboid is %f",v);

    getch();

}

Ans4:

#include<stdio.h>

#include<conio.h>

int main()

{

    float a,b,c,s;

    printf("Enter principal in rupees:");

    scanf("%f",&a);

    printf("Enter time in years:");

    scanf("%f",&b);

    printf("Enter rate in %:");

    scanf("%f",&c);

    s=(a\*b\*c)/100;

    printf("Simple interest is %f",s);

    getch();

}

Ans5:

#include<stdio.h>

#include<conio.h>

int main()

{

    float a,b,c;

    printf("Enter length:");

    scanf("%f",&a);

    printf("Enter breadth:");

    scanf("%f",&b);

    c=a\*b;

    printf("Area of rectangle is %f",c);

    getch();

}

Ans6:

#include<stdio.h>

#include<conio.h>

int main()

{

    float a,b,c,s;

    printf("Enter three numbers:");

    scanf("%f %f %f",&a,&b,&c);

    s=a+b+c;

    printf("Average of %f,%f,%f is %f",a,b,c,s/3);

    getch();

}

Ans7:

#include<stdio.h>

#include<conio.h>

int main()

{

    float a,s;

    printf("Enter a number:");

    scanf("%f",&a);

    s=a\*a;

    printf("Square of %f is %f",a,s);

    getch();

}

Ans8:

#include<stdio.h>

#include<conio.h>

int main()

{

    char a;

    printf("Enter a character:");

    scanf("%c",&a);

    printf("ASCII of %c is %d",a,a);

    getch();

}

Ans9:

#include<stdio.h>

#include<conio.h>

int main()

{

    float cp,sp,g,gp;

    printf("Enter cost price:");

    scanf("%f",&cp);

    printf("Enter selling price:");

    scanf("%f",&sp);

    g=sp-cp;

    gp=(g/cp)\*100;

    printf("Profit percentage is %f%%",gp);

    getch();

}

Ans10:

#include<stdio.h>

#include<conio.h>

int main()

{

    float b,h,a;

    printf("Enter base of triangle:");

    scanf("%f",&b);

    printf("Enter height of triangle:");

    scanf("%f",&h);

    a=0.5\*b\*h;

    printf("Area of trianlge is %f",a);

    getch();

}