**C Language Live Community Classes Assignment 5**

1. Write  a program to calculate the sum of two numbers.

**Answer-**

#include<stdio.h>

int main()

{

int x,y;

printf("Enter two numbers");

scanf("%d%d",&x,&y);

printf("Sum of %d and %d is %d",x,y,x+y);

getch();

}

1. Write a program to calculate the area of a circle.

**Answer-**

#include<stdio.h>

int main()

{

float r;

printf("Enter the Radious of Circle=");

scanf("%f",&r);

printf("Area of Circle=%.2f",3.14\*r\*r);

getch();

}

1. Write a program to calculate the volume of a Cuboid.

**Answer-**

#include<stdio.h>

int main()

{

float l,b,h;

printf("Enter the length of cuboid\n");

scanf("%g",&l);

printf("Enter the breadth of cuboid\n");

scanf("%g",&b);

printf("Enter the height of cuboid\n");

scanf("%g",&h);

printf("Volume of Cuboid is %g",l\*b\*h);

getch();

}

1. Write a program to calculate the simple interest

**Answer-**

#include<stdio.h>

int main()

{

float p,r,t;

printf("Enter the Principal(Amount)\n");

scanf("%g",&p);

printf("Enter the Rate of Interest\n");

scanf("%g",&r);

printf("Enter the Time in year\n");

scanf("%g",&t);

printf("Simple Interest is %g",(p\*r\*t)/100);

getch();

}

1. Write a program to calculate the area of a rectangle

**Answer-**

#include<stdio.h>

int main()

{

float l,b;

printf("Enter the length of Rectangle\n");

scanf("%f",&l);

printf("Enter the breadth of Rectangle\n");

scanf("%f",&b);

printf("Area of Rectangle is %.2f",l\*b);

getch();

}

1. Write a program to calculate the average of three numbers

**Answer-**

#include<stdio.h>

int main()

{

float a,b,c;

printf("Enter First Number\n");

scanf("%f",&a);

printf("Enter Second Number\n");

scanf("%f",&b);

printf("Enter Third Number\n");

scanf("%f",&c);

printf("Average of Three Number is %.2f",(a+b+c)/3);

getch();

}

1. Write a program to calculate the square of a given number.

**Answer-**

#include<stdio.h>

int main()

{

float n;

printf("Enter the Number\n");

scanf("%f",&n);

printf("Square of %g is %g",n,n\*n);

getch();

}

1. Write a program which takes a character as input and print its ASCII code.

**Answer-**

#include<stdio.h>

int main()

{

char n;

printf("Enter the Character\n");

n=getch();

printf("ASCII value of %c is %d",n,n);

getch();

}

1. Write a program to calculate the profit percentage upon selling a product. Cost price and selling price are given by the user.

**Answer-**

#include<stdio.h>

int main()

{

float cp,sp,p;

printf("Enter the Cost Price\n");

scanf("%g",&cp);

printf("Enter the Selling Price\n");

scanf("%g",&sp);

p=sp-cp;

printf("Profit %% is %g",(p/cp)\*100);

getch();

}

1. Write a program to calculate the area of a triangle where base and height of the triangle are given.

#include<stdio.h>

int main()

{

float h,b;

printf("Enter the Base of Triangle\n");

scanf("%f",&b);

printf("Enter the Height of Triangle\n");

scanf("%f",&h);

printf("Area of Triangle is %g",0.5\*b\*h);

getch();

}