C Language Community LIVE Classes

Assignment-5

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

Answer- #include<stdio.h>

#include<conio.h>

int main() {

int a,b,sum;

printf("Enter two Numbers = ");

scanf("%d%d",&a,&b);

sum = a+b;

printf("Sum of two number is %d",sum);

getch();

}

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

Answer- #include<stdio.h>

#include<conio.h>

int main() {

float area,r;

printf("Enter a radius = ");

scanf("%f",&r);

area = 3.14\*r\*r;

printf("Area of circle is = %f",area);

getch();

}

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

Answer- #include<stdio.h>

#include<conio.h>

int main() {

Int l,b,h,cuboid;

printf(" Enter a length\n Enter a breath\n Enter a heght\n = ");

scanf("%d%d%d",&l,&b,&h);

cuboid = l\*b\*h;

printf("vloume of cuboid is = %d",cuboid);

getch();

}

1. Write a program to calculate the simple interest

Answer- #include<stdio.h>

#include<conio.h>

int main() {

float P,R,T,SI;

printf(" Enter a P = \n Enter a R \n Enter a T \n = "); // P=Principal , R=Rate of Interest ,

scanf("%f%f%f",&P,&R,&T);

SI = P\*R\*T;

printf("simple interest is = %f",SI);

getch();

}

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

Answer- #include<stdio.h>

#include<conio.h>

int main() {

int l,b,Rectangle;

printf(" Enter a length = \n Enter a breath = \n = ");

scanf("%d%d",&l,&b);

Rectangle =l\*b;

printf("Area of Rectangle is = %d",Rectangle);

getch();

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

Answer- #include<stdio.h>

int main() {

int N1,N2,N3,number;

float average;

printf("Enter a numbers");

scanf("%d%d%d",&N1,&N2,&N3);

average = (N1+N2+N3)/3;

printf("Averge is = %f ",average);

getch();

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

Answer- #include<stdio.h>

int main() {

int square ,A;

printf("Enter a numbers = ");

scanf("%d",&A);

square= A\*A;

printf("square is = %d",square);

getch();

}

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

Answer- #include <stdio.h>

int main() {

char c;

printf("Enter a character: ");

scanf("%c", &c);

// %d displays the integer value of a character

// %c displays the actual character

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

return 0;

}

1. Write a program to calculate the profit percentage upon selling a product. Cost price and selling price are given by the user
2. Write a program to calculate the area of a triangle where base and height of the triangle are given.

Answer-

#include<stdio.h>

int main() {

int b,h;

float triangle;

printf("Enter Breath and Height = ");

scanf("%d%d",&b,&h);

triangle = (b\*h)/2;

printf("Triangle is %f",triangle);

getch();

}