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**Assignment – 5 C Language LIVE Community Classes MySirG.**

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

#include<stdio.h>

int main(){

int x = 45;

int y = 5;

int c;

 c = x + y;

printf("%d",c);

return 0;

}

**2. Write a program to calculate the area of a circle.**

#include<stdio.h>

int main(){

int r;

float a;

printf("Enter the radius:");

scanf("%d",&r);

a = 3.14\*r\*r;

 printf("Area is: %f",a);

return 0;

}

**3. Write a program to calculate the volume of a Cuboid.**

#include<stdio.h>

int main(){

int L; int B; int H;

float cuboin;

 printf(" length:");

  scanf("%d",&L);

 printf(" Breath:");

 scanf("%d",&B);

 printf(" Height:");

  scanf("%d",&H);

cuboin= L\*B\*H;

printf(" your cuboin is:%f\n",cuboin);

return 0;

}4. Write a program to calculate the simple interest#include<stdio.h>

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#include<stdio.h>

int main(){

int P;

int R;

int T;

float sin;

 printf(" Principle:");

 scanf("%d",&P);

 printf(" Rate:");

 scanf("%d",&R);

 printf(" Height:");

 scanf("%d",&T);

sin= P\*R\*T/100;

printf(" Simple interst is :%f\n",sin);

return 0;

}

**5. Write a program to calculate the area of a rectangle.**

#include<stdio.h>

int main(){

int l;

int w;

int A;

printf("Enter the two digit number\n");

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

A = l\*w;

 printf("Area of rectangle is: %d",A);

return 0;

}

**6. Write a program to calculate the average of three numbers?**

#include <stdio.h>

#include <conio.h>

void main()

int n1,n2,n3;

float avg;

printf("\nENTER THREE NUMBERS: " );

scanf("%d %d %d",&n1,&n2,&n3);

avg=(n1+n2+n3)/3;

**7. Write a program to calculate the square of a given number.**

#include<stdio.h>

int main(){

int SideA;

int SideB;

int square;

printf("Enter the 2 digit number");

scanf("%d%d",&SideA,&SideB);

square = SideA\*SideB;

 printf("square of a given number is:%d",square);

return 0;

}

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

#include<stdio.h>

int main(){

char ch;

int ascii;

printf("enter the any Character\n");

 scanf("%c",&ch);

ascii=ch;

printf("ascii character is: %d",ascii);

return 0;

**9. Write a program to calculate the profit percentage upon selling a product. Cost price**

**and selling price are given by the user?**

#include<stdio.h>

int main(){

// Define the variables

float cost\_price;

float selling\_price;

float profit;

float profitpercentage;

// Enter the cost price and selling price

printf("enter the cost price: ");

scanf("%f",&cost\_price);

printf("enter the sell price: ");

scanf("%f",&selling\_price);

// calculate the profit

profit = selling\_price - cost\_price;

//calculate the profit in percentage

profitpercentage = (profit / cost\_price) \*100;

// Print the profit percentage

// printf(" the total profit in percentage is :%f ",profitpercentage);

  printf("The profit percentage is %.2f%%\n",profitpercentage);

return 0;

}

**10. Write a program to calculate the area of a triangle where base and height of the**

**triangle are given.?**

int height;

int Aot;

printf("Enter the base: ");

scanf("%d",&Base);

printf("Enter the Height: ");

scanf("%d",&height);

 Aot = (Base\*height)/2;

 printf("The area Of a Triangle:%d",Aot);

return 0;

}

**< ------------------------------------ Assignment NO 5 Completed------------------------------------------------->**