**Assignment - 5 C Language LIVE Community Classes MySirG 6**

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.

1)#include<stdio.h>

int main(){

float a,b,c;

printf("Enter the first Number: " );

scanf("%f",&a);

printf("Enter the Second Number: ");

scanf("%f",&b);

c=a+b;

printf("%.2f",c);

return 0;

}

2)#include<stdio.h>

int main(){

float radius,area;

printf("Enter the radius: " );

scanf("%f",&radius);

area= 3.14\*radius\*radius;

printf("The area of the circle with radius %f is %f", radius, area);

return 0;

}

3)#include<stdio.h>

int main(){

float length, breath, height, area;

printf("Enter the length: " );

scanf("%f",&length);

printf("Enter the breath: " );

scanf("%f",&breath);

printf("Enter the height: " );

scanf("%f",&height);

area= length\*breath\*height;

printf("The area of the cuboid is: %.3f", area);

return 0;

}

4)#include<stdio.h>

int main(){

float p ,r,i ;

 printf("Enter Your Principle amount: ");

 scanf("%f",&p);

 printf("Enter The Rate Of Intrest: ");

 scanf("%f",&r);

 i=r\*p/100;

 printf("The simple intrest will be %f ", i);

}

5)#include<stdio.h>

int main(){

float l,b,a ;

 printf("Enter the length: ");

 scanf("%f",&l);

 printf("Enter The Breath: ");

 scanf("%f",&b);

 a=l\*b;

 printf("The area will be: %.2f ", a);

}

6)#include<stdio.h>

int main(){

float a,b,c,avg ;

 printf("Enter the First Number: ");

 scanf("%f",&a);

 printf("Enter the Second Number: ");

 scanf("%f",&b);

printf("Enter the Third Number: ");

 scanf("%f",&c);

 avg= (a+b+c)/3;

 printf("The area will be: %.2f ", avg);

}

7)#include<stdio.h>

int main(){

float a,sq;

printf("Enter the Number: ");

scanf("%f",&a);

sq= a\*a;

printf("The Square of %.2f is %.2f", a , sq);

}

8)#include<stdio.h>

int main(){

char a;

printf("Enter Your Character: ");

scanf("%c", &a);

printf("The ASCII Value of Te Given Character is: %d",a);

return 0;

}

9)#include<stdio.h>

int main(){

float cp,sp,p,pp,l,lp;

printf("Enter the cost price of the item: ");

scanf("%f",&cp);

printf("Enter the sellin price of the item: ");

scanf("%f",&sp);

if (sp>cp){

    p=sp-cp;

    pp=p/cp\*100;

    printf("There was a profit of %.2frupess and a profit percent of %.2f",p,pp);

} else{

    l=cp-sp;

    lp=l/cp\*100;

    printf("There was a loss of %.2f rupees and a loss percent of %.2f",l,lp);

}

return 0;

}

10)#include<stdio.h>

int main(){

float h,b, area;

printf("Enter the height of the triangle:\n");

scanf("%f",&h);

printf("Enter the breath of the triangle:\n");

scanf("%f",&b);

area= h\*b\*1/2;

printf("The Area of The Triangle is: %f", area);

return 0;

}

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