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

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

ANS:- #include<stdio.h>

int main()

{

int p,q,r;

printf("Enter the value of p:- ");

scanf("%d",&p);

printf("Enter the value of q:- ");

scanf("%d",&q);

r = p+q;

printf("The addition of %d and %d is = %d",p,q,r);

return 0;

}

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

ANS:- #include<stdio.h>

int main()

{

float pai=3.14,area,r;

printf("Enter the value of redius:- ");

scanf("%f",&r);

area = pai \* r \* r;

printf("Area of circle is = %.2f",area);

return 0;

}

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

ANS:- #include<stdio.h>

int main()

{

float width,length,height,volume;

printf("Enter the value of width length and height:- ");

scanf("%f %f %f",&width,&length,&height);

volume=(width\*length\*height);

printf("The volume of a cuboid = %.3f",volume);

return 0;

}

1. Write a program to calculate the simple interest

ANS:- #include<stdio.h>

int main()

{

float p,t, r,si;

printf("Enter the value of principle:- ");

scanf("%f",&p);

printf("Enter the value of interest rate:- ");

scanf("%f",&r);

printf("Enter the value of time:- ");

scanf("%f",&t);

si=(p\*r\*t)/100;

printf("The simple interest = %.2f",si);

return 0;

}

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

ANS:- #include <stdio.h>

int main()

{

int width,height,area;

printf("Enter the width and height of the rectangle:- ");

scanf("%d %d",&width,&height);

area=width\*height;

printf("Area of the rectangle = %d",area);

return 0;

}

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

ANS:- #include <stdio.h>

int main()

{

int n1,n2,n3,av;

printf("Enter the value of n1,n2,n3:- ");

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

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

printf("The average of n1,n2,n3 is = %d",av);

return 0;

}

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

ANS:- #include <stdio.h>

int main()

{

int n,square;

printf("Enter the value of n:- ");

scanf("%d",&n);

square = (n\*n);

printf("The square of n is = %d",square);

return 0;

}

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

ANS:- #include <stdio.h>

int main()

{

char ch;

printf("Enter a character:- ");

scanf("%c",&ch);

printf("The ASCII of %c is = %d",ch,ch);

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.

ANS:- #include <stdio.h>

int main()

{

int cp,pp,sp,l,p,n;

printf("Enter The cost price of the product:- ");

scanf("%d",&cp);

printf("Enter The selling price of the product:- ");

scanf("%d",&sp);

l=sp-cp;

if(cp>sp)

{

printf("No profit but rupes %d loss",cp-sp);

}

else if(cp<sp)

{

p=cp/100;

pp = l/p;

printf("The profit percentage is = %d%%",pp);

}

else

{

printf("No profit and no loss");

}

return 0;

}

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

ANS:- #include<stdio.h>

int main() { float base,height,area;

base= 7;

height= 14;

area = (base\*height )/2;

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

}