**ASSIGNMENT 5**

***Q1. Write a program to calculate the sum of two numbers.***

***#include <stdio.h>***

*int main()*

*{*

*int a,b,sum;*

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

*sum=a+b;*

*printf("%d",sum);*

*return 0;*

*}*

***Q2. Write a program to calculate the area of a circle.***

*#include <stdio.h>*

*int main()*

*{*

*int r;*

*float area;*

*scanf("%d",&r);*

*area=3.14\*r\*r;*

*printf("Area=%f",area);*

*return 0;*

*}*

***Q3. Write a program to calculate the volume of a Cuboid.***

*#include <stdio.h>*

*int main()*

*{*

*int l,b,h;*

*int vol;*

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

*vol=l\*b\*h;*

*printf("Volume=%d",vol);*

*return 0;*

*}*

***Q4. Write a program to calculate the simple interest.***

*#include <stdio.h>*

*int main()*

*{*

*int p,r,t;*

*int s\_i;*

*scanf("%d%d%d",&p,&r,&t);*

*s\_i=p\*r\*t;*

*printf("Simple Interst=%d",s\_i);*

*return 0;*

*}*

***Q5. Write a program to calculate the area of a rectangle.***

*#include <stdio.h>*

*int main()*

*{*

*int l,b;*

*int area;*

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

*area=l\*b;*

*printf("Area=%d",area);*

*return 0;*

*}*

***Q6. Write a program to calculate the average of three numbers.***

*#include <stdio.h>*

*int main()*

*{*

*int a,b,c;*

*int average;*

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

*average=(a+b+c)/3;*

*printf("Average=%d",average);*

*return 0;*

*}*

***Q7. Write a program to calculate the square of a given number.***

*#include <stdio.h>*

*int main()*

*{*

*int num,square;*

*scanf("%d",&num);*

*square=num\*num;*

*printf("Square=%d",square);*

*return 0;*

*}*

***Q8. Write a program which takes a character as input and print its ASCII code.***

*#include <stdio.h>*

*int main()*

*{*

*char ch;*

*int ascii;*

*scanf("%c",&ch);*

*printf("ASCII code=%d",ch);*

*return 0;*

*}*

***Q9. 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()*

*{*

*int sp, cp;*

*float per;*

*scanf("%d%d",&cp,&sp);*

*if(sp>cp)*

*{*

*per=(float)(sp-cp)/cp\*100;*

*printf("Profit percentage=%f",per);*

*}*

*else*

*printf("No Profit");*

*return 0;*

*}*

***Q10. Write a program to calculate the area of a triangle where base and height of the triangle are given.***

*#include <stdio.h>*

*int main()*

*{*

*int b,h;*

*float area;*

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

*area=(float)1/2\*b\*h;*

*printf("Area=%f",area);*

*return 0;*

*}*