1.#include<stdio.h>

void main(){

    int a;

    int b;

    printf("Enter number 1=%d\n",a);

    scanf("%d",&a);

    printf("Enter number 2=%d\n",b);

    scanf("%d",&b);

    int sum=a+b;

    int sub=a-b;

    int mul=a\*b;

    float divi=a/b;

    int mod=a%b;

    printf("Summation is =%d\n",sum);

    printf("Substraction is =%d\n",sub);

    printf("Multiplication is =%d\n",mul);

    printf("Division is =%f\n",divi);

    printf("Modular is =%d\n",mod);

}

2.#include<stdio.h>

void main(){

    float r;

    float PI=3.145;

    printf("Insert Radius=%f",r);

    scanf("%f",&r);

    float di=2\*r;

    float cir=2\*PI\*r;

    float a=PI\*r\*r;

    printf("Diameter is=%f\n",di);

    printf("Circumference is=%f\n",cir);

    printf("Area is=%f\n",a);

}

3.#include<stdio.h>

void main(){

  int num1,num2,num3,num4,num5;

  printf("Enter numbers %d%d%d%d%d\n",num1,num2,num3,num4,num5);

  scanf("%d%d%d%d%d",&num1,&num2,&num3,&num4,&num5);

    float avg=(num1+num2+num3+num4+num5)/5;

  printf("Average is %f",avg);

}

4. #include<stdio.h>

void main(){

    int num\_of\_hrs;

    int hrly\_rte;

    float d\_rte;

    printf("Enter number of hours =%d\n",num\_of\_hrs);

    scanf("%d",&num\_of\_hrs);

    printf("Enter hourly rate =%d\n",hrly\_rte);

    scanf("%d",&hrly\_rte);

    int grs\_sal=num\_of\_hrs\*hrly\_rte;

    printf("Gross salary is =%d\n",grs\_sal);

    d\_rte=0.080000;

    float d=grs\_sal\*d\_rte;

    printf("Deduction is =%f\n",d);

    float nt\_sal=grs\_sal-d;

    printf("Net salary is =%f\n",nt\_sal);

}

5.#include<stdio.h>

void main(){

    float usd;

    printf("Enter Dollar Value =%f\n",usd);

    scanf("%f",&usd);

    float crncy=usd\*129.164;

    printf("Currncy is =%f\n",crncy);

}

6.#include<stdio.h>

void main(){

    float cel;

    float far;

    float kel;

    printf("Insert celcius value=%f\n",cel);

    scanf("%f",&cel);

    far=cel\* 9/5 + 32;

    printf("Farenheit value is =%f\n",far);

    kel=cel\*273.15;

    printf("Kelvin value is =%f\n",kel);

}

7.#include <stdio.h>

#include <ctype.h>

void main ()

{

  char ch;

  printf ("%s\n", "Insert Lowercase Character");

  scanf ("%c\n", &ch);

 printf ("%s\n", "Uppercase character is");

  printf ("%c\n", toupper (ch));

    printf ("%s\n", "Insert Uppercase Character");

  scanf ("%c\n", &ch);

 printf ("%s\n", "Lowercase character is");

  printf ("%c\n", tolower (ch));

}

8. #include <stdio.h>

int main() {

  char ch;

  printf("Enter the character to get the ASCII value: ");

  scanf("%c", &ch);

  int ascii = ch;

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

  return 0;

}

9.#include<stdio.h>

void main(){

    int a;

    printf("Enter Number =%d\n",a);

    scanf("%d",&a);

    int quo=a/5;

    printf("Quotient is =%d\n",quo);

    int remain=a%5;

    printf("Remainder is =%d\n",remain);

}

10. #include<stdio.h>

void main(){

    int a;

    printf("Enter number =%d\n",a);

    scanf("%d",&a);

    int x=a/10;

    int y=a%10;

    int total =x+y;

    printf("Total is = %d",total);

}

11.#include <stdio.h>

#include <math.h>

void main(){

    int day;

    printf("%s\n","Enter Day");

    scanf("%d", &day);

    int yr = day/365;

    printf("%s\n", "Number of Years");

    printf("%d\n",yr);

    int month = (day-yr\*365)/30;

    printf("%s\n", "Number of month");

    printf("%d\n",month);

        int days = (day-yr\*365-month\*30);

        printf("%s\n", "Number of days");

    printf("%d\n",days);

}

12.#include <stdio.h>

#include <math.h>

void main(){

    int num;

    printf("%s\n","Enter Number");

    scanf("%d", &num);

    int h = num/3600;

    printf("%s\n", "Number of hours");

    printf("%d\n",h);

    int min = (num-h)/60;

    printf("%s\n", "Number of minutes");

    printf("%d\n",min);

int sec = num-h-min;

printf("%s\n", "Number of seconds");

    printf("%d\n",sec);

}

13.#include<stdio.h>

#include<math.h>

void

main ()

{

  int p;

  float r;

  int n;

  printf ("Insert principal :%d\n", p);

  scanf ("%d", &p);

  printf ("Insert rate of interest :%f\n", r);

  scanf ("%f", &r);

  printf ("Insert number of years :%d", n);

  scanf ("%d", &n);

  float I = (p \* n \* r) / 100;

  printf ("Simple interest is :%f", I);

}

14.#include<stdio.h>

#include<stdio.h>

void main(){

    int r;

    printf("Insert radius :%d\n",r);

    scanf("%d",&r);

    int v=r\*r\*r;

    printf("Volume is :%d\n",v);

    int s=6\*r\*r;

    printf("Surface is :%d\n",s);

}

15.#include<stdio.h>

#include<math.h>

void main(){

    int b;

    int h;

    printf("Insert base :%d\n",b);

    scanf("%d",&b);

    printf("Insert height :%d\n",h);

    scanf("%d",&h);

    float a=(b\*h)/2;

    printf("Area is :%f\n",a);

}

16. #include<stdio.h>

#include<math.h>

void main(){

    int r;

    int h;

    printf("Enter radius :%d\n",r);

    scanf("%d",&r);

    printf("Enter height :%d\n",h);

    scanf("%d",&h);

    float v=(22\*r\*r\*h)/7;

    printf("Volume is : %f\n",v);

}

17. 1. #include <stdio.h>

#include <math.h>

void main(){

    float l;

    float h;

    float w;

    printf("%s\n", "Enter l");

    scanf("%f", &l);

    printf("%s\n", "Enter h");

    scanf("%f", &h);

    printf("%s\n", "Enter w");

    scanf("%f", &w);

    printf("%s\n", "Surface is");

    float S = 2\*(l\*w+l\*h+w\*h);

    printf("%f\n", S);

    printf("%s\n", "Volume is");

    float V = l\*w\*h;

    printf("%f\n", V);

}

2. #include <stdio.h>

#include <math.h>

void main(){

    float p;

    float r;

    float h;

    printf("%s\n", "Enter p");

    scanf("%f", &p);

    printf("%s\n", "Enter h");

    scanf("%f", &r);

    printf("%s\n", "Enter h");

    scanf("%f", &h);

    printf("%s\n", "Surface is");

    float S = 2\*p\*r\*h+2\*p\*r\*r;

    printf("%f\n", S);

    printf("%s\n", "Volume is");

    float V = p\*r\*r\*h;

    printf("%f\n", V);

}

3. #include <stdio.h>

#include <math.h>

void main(){

    float p;

    float r;

    float s;

    printf("%s\n", "Enter p");

    scanf("%f", &p);

    printf("%s\n", "Enter r");

    scanf("%f", &r);

    printf("%s\n", "Enter s");

    scanf("%f", &s);

    printf("%s\n", "Surface is");

    float S = p\*r\*r\*+p\*r\*s;

    printf("%f\n", S);

    printf("%s\n", "Volume is");

    float V =p\*r\*r\*s\*1/3;

    printf("%f\n", V);

}

4. #include <stdio.h>

#include <math.h>

void main(){

    float p;

    float r;

    printf("%s\n", "Enter p");

    scanf("%f", &p);

    printf("%s\n", "Enter r");

    scanf("%f", &r);

    printf("%s\n", "Surface is");

    float S = p\*r\*r\*4;

    printf("%f\n", S);

    printf("%s\n", "Volume is");

    float V =p\*r\*r\*r\*4/3;

    printf("%f\n", V);

}