**PROGRAM - 1**

**WAP to Calculate Area of Rectangle.**

import java.util.\*;

class p1

{

public static void main(String [] args)

{

int a,b,sum;

Scanner sc=new Scanner (System.in);

System.out.println("Enter lenght of rectangle:");

a=sc.nextInt();

System.out.println("Enter breath of rectangle:");

b=sc.nextInt();

sum=(a\*b);

System.out.println("Area of rectangle="+sum);

}

}

**PROGRAM - 2**

**WAP to Calculate the Volume of Sphare.**

import java.util.\*;

class p2

{

public static void main(String[]args)

{

int r;

double volume;

Scanner sc=new Scanner(System.in);

System.out.print("Enter radious of sphare:");

r=sc.nextInt();

volume=((4\*3.14\*r\*r\*r)/3);

System.out.print("Area of Surface="+volume);

}

}

**PROGRAM - 3**

**WAP to Find the Area of Square.**

import java.util.\*;

class p3

{

public static void main(String [] args)

{

int a,sum;

Scanner sc=new Scanner(System.in);

System.out.print("Enter side of square:");

a=sc.nextInt();

sum=(a\*a);

System.out.print("Area of Square="+sum);

}

}

**PROGRAM - 4**

**WAP to Calculate the CGPA Percentage.**

import java.util.\*;

class p4

{

public static void main(String [] args)

{

Scanner sc=new Scanner(System.in);

System.out.print("Enter number of Subject:");

int n=sc.nextInt();

double [] marks=new double[n];

System.out.println("Enter marks:");

for(int i=0;i<n;i++)

{

marks[i]=sc.nextInt();

}

double grade[]=new double[n];

double cgpa,sum=0;

for(int i=0;i<n;i++)

{

grade[i]=(marks[i]/10);

}

for(int i=0;i<n;i++)

{

sum+=grade[i];

}

cgpa=sum/n;

System.out.println("cgpa:"+cgpa);

System.out.println("Percentage of cgpa="+cgpa\*9.5);

}

}

**PROGRAM - 5**

**WAP to Convert Celsius into Fahrenheit.**

import java.util.\*;

class p5

{

public static void main(String [] args)

{

double c,f;

Scanner sc=new Scanner(System.in);

System.out.print("Enter temperature in c:");

c=sc.nextDouble();

f=(9\*c)/5+32;

System.out.println("Temperature in f="+f);

}

}

**PROGRAM - 6**

**WAP to Convert Days into Years.**

import java.util.\*;

class p6

{

public static void main(String [] args)

{

int days,years;

Scanner sc=new Scanner(System.in);

System.out.println("Enter the days:");

days=sc.nextInt();

years=days/365;

System.out.print("Number of years="+years);

}

}

**PROGRAM – 7**

**WAP to Find the Simple Interest.**

import java.util.\*;

class p7

{

public static void main(String [] args)

{

double p,r,t,si;

Scanner sc=new Scanner(System.in);

System.out.println("Enter the principle :");

p=sc.nextDouble();

System.out.println("Enter the rate:");

r=sc.nextDouble();

System.out.println("Enter the time:");

t=sc.nextDouble();

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

System.out.print("Simple Interest="+si);

}

}

**PROGRAM – 8**

**Program to Check Disarium Number.**

import java.util.Scanner;

class p8

{

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

System.out.print("Input a number : ");

int num = sc.nextInt();

int copy = num, d = 0, sum = 0;

String s = Integer.toString(num);

int len = s.length();

while(copy>0)

{

d = copy % 10;

sum = sum + (int)Math.pow(d,len);

len--;

copy = copy / 10;

}

if(sum == num)

System.out.println("The Number is Disarium Number.");

else

System.out.println("The Number is Not a Disarium Number.");

}

}

**PROGRAM – 9**

**Program to Swap Two Numbers.**

import java.util.\*;

class p9

{

public static void main(String[] args)

{

int x, y, t;

Scanner sc = new Scanner(System.in);

System.out.print("Enter the value of X and Y : ");

x = sc.nextInt();

y = sc.nextInt();

System.out.println("before swapping numbers: "+x +" "+ y);

t = x;

x = y;

y = t;

System.out.print("After swapping: "+x +" " + y);

System.out.print("");

}

}

**PROGRAM – 10**

**WAP to Print the Sum of Digits Without using modulas**

import java.util.\*;

class p10

{

public static void main(String [] args)

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter the number:");

String str=sc.nextLine();

char[] n=str.toCharArray();

int sum=0;

for(int i=0;i<n.length;i++)

{

sum=sum+((int)n[i]);

sum=sum-48;

}

System.out.println("Sum of digits="+sum);

}

}