**Name : Nikhil Mishra**

**Class : 2CSB**

**Roll No : 2102900100097**

**Assignment : 1**

**CRC-Training**

**Answer 1 :**

// Developed

import java.util.\*;

public class oddeven{

     public static void main(String[] args) {

     int a;

     Scanner sc = new Scanner(System.in);

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

     a = sc.nextInt();

     if(a%2 == 0){

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

     }

     else{

        System.out.println("The number is odd");

     }

     sc.close();

    }

}

**Answer 2 :**

import java.util.\*;

public class largest {

    public static void main(String [] args){

        Scanner sc = new Scanner(System.in) ;

        int num1,num2,num3;

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

        num1 = sc.nextInt();

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

        num2 = sc.nextInt();

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

        num3 = sc.nextInt();

        if(num1 > num2 && num1 > num3 ){

            System.out.println("The largest number is"+num1);

        }

        else if(num2 > num1 && num2 > num3){

            System.out.println("The largest number is "+ num2);

        }

        else{

            System.out.println("The largest number is "+num3);

        }

        sc.close();

    }

}

**Answer 3:**

import java.util.\*;

public class triangle {

    public static void main(String [] args){

        Scanner sc = new Scanner(System.in) ;

        int side1,side2,side3;

        System.out.println("Enter the first side ");

        side1 = sc.nextInt();

        System.out.println("Enter the second side ");

        side2 = sc.nextInt();

        System.out.println("Enter the third side ");

        side3 = sc.nextInt();

        if(side1 == side2 && side1 == side3){

            System.out.println("The triangle is equilateral as all sides are equal");

        }

        else if(side1 == side2 || side2 == side3 || side1 == side3){

            System.out.println("The triangle is isosceles");

        }

        else{

            System.out.println("The triangle is scalene ");

        }

        sc.close();

}

}

**Answer 4:**

import java.util.\*;

public class checknumber{

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        float num;

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

        num = sc.nextFloat();

        if(num == 0){

            System.out.println("The number is equal to zero");

        }

        else if(num>0){

            System.out.println("The number is positive ");

        }

        else {

            System.out.println("The number is negative ");

        }

        sc.close();

    }

}

**Answer 5:**

import java.lang.Math;

import java.util.\*;

public class equal{

     public static void main(String[] args) {

     float a,b;

     Scanner sc = new Scanner(System.in);

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

     a = sc.nextFloat();

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

     b = sc.nextFloat();

     a \*= 1000;

     b \*= 1000;

     a = (int)a;

     b = (int)b;

if(a == b){

   System.out.println("Number are same");

}

else {

    System.out.println("Number are not same");

}

sc.close();

}

}

**Answer 6:**

import java.lang.Math;

import java.util.\*;

public class checkEquality{

     public static void main(String[] args) {

     int a,b,c;

     Scanner sc = new Scanner(System.in);

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

     a = sc.nextInt();

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

     b = sc.nextInt();

     System.out.println("Enter the 3rd number ");

     c = sc.nextInt();

     if(a == b && b==c){

        System.out.println("All numbers are equal");

     }

     else if(a!=b && b !=c && a!=c ) {

      System.out.println("All are different");

     }

      System.out.println("Neither all are equal or different");

     }

     }

}

**Answer 7:**

import java.util.\*;

public class incdec {

        public static void main(String[] args) {

        int num1,num2,num3;

        Scanner sc = new Scanner(System.in);

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

        num1 = sc.nextInt();

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

        num2 = sc.nextInt();

        System.out.println("Enter the 3rd number ");

        num3 = sc.nextInt();

        if(num1>num2 && num2>num3 ){

            System.out.println("Numbers are in decreasing order");

        }

        else if(num1<num2 && num2<num3){

            System.out.println("Number are in increasing order");

        }

        else{

            System.out.println("Neither increasing nor decreasing");

        }

        sc.close();

}

}

**Answer 8 :**

import java.util.\*;

public class printday {

    public static void main(String[] args) {

        int day;

        Scanner sc = new Scanner(System.in);

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

        day = sc.nextInt();

    switch (day) {

        case 1:

        System.out.println("Sunday");

            break;

        case 2:

        System.out.println("Monday");

        break;

        case 3:

        System.out.println("Tuesday");

        break;

        case 4:

        System.out.println("Wednesday");

        break;

        case 5:

        System.out.println("Thursday");

        break;

        case 6:

        System.out.println("Friday");

        break;

        case 7:

        System.out.println("Saturday");

        break;

        default:

        System.out.println("Wrong Input");

            break;

    }

  sc.close();

    }

}

**Answer 9 :**

import java.util.\*;

public class calculator {

    public static void main(String[] args) {

        int choice,num1,num2;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter your first number");

        num1 = sc.nextInt();

        System.out.println("Enter your second number");

        num2 = sc.nextInt();

        System.out.println("Enter your choice");

        System.out.println("1. ADD 2. Subtract 3. Multiplication 4.Division");

        choice = sc.nextInt();

    switch (choice) {

        case 1:

             System.out.println("The sum of 2 numbers is "+(num1+num2));

            break;

        case 2:

        System.out.println("The subtraction of 2 numbers is "+(num1-num2));

        break;

        case 3:

        System.out.println("The multiplication of 2 numbers is "+(num1\*num2));

        break;

        case 4:

        System.out.println("The division of 2 numbers is "+(num1/num2));

        break;

        default:

        System.out.println("Wrong Input");

            break;

    }

    sc.close();

    }

}