Task-3-Date-02-27-2024-Day-29.docx

Task 3: Write a Java program to read a positive integer number from the user and check if the given number is even or odd. If the given number is even number then return true else return false without using if-else control statement.

import java.util.Scanner;

public class EvenOrOdd {

    // To Print the Error message and returns a boolean value

    public static boolean negative() {

        System.out.println("The enterd number is Nagative please enter the positvie number Try Again");

        return false;

    }

    // To return true to conmirmation to procede to next level

    public static boolean conclude() {

        return true;

    }

    // To check even or not

    public static boolean isEven(int a) {

        boolean result = (a %  2 ) == 0 ? true : false;

        return result;

    }

    public static  boolean programError(int a){

        System.out.println("Program has some Error");

        return false;

     }

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        // Takes the input from the user4545

        System.out.print("Enter the Positive Number a: ");

        int a = scanner.nextInt();

        // To check number is positive or not

        boolean s = a <= 0 ? EvenOrOdd.negative() : EvenOrOdd.conclude();

        boolean g = s = true ? EvenOrOdd.isEven(a) :  EvenOrOdd.programError(a);

        System.out.println(g);

    }

}

OUTPUT:

Case 1:

Enter the Positive Number a: -12

The enterd number is Nagative please enter the positvie number Try Again

True

Case 2:

Enter the Positive Number a: -12

The enterd number is Nagative please enter the positvie number Try Again

True

Case 3:

Enter the Positive Number a: 3

false