

JAVA PROGRAMS

Java Ternary operator programs

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Even odd program in java using ternary operator

In this chapter of [java programs guide](#), we will learn to write program:

- *even or odd using ternary operator in java*

To learn [program to find even or odd in java using if else](#) visit the link

Even or odd using ternary operator in java

A number is said to be:

- **even**, if it leaves remainder as 0 when divided by 2
- **odd**, if it leaves remainder as 1 when divided by 2

Programmatically, we can check it as shown below:

```
number%2==0 -> Even number
```

To write the [program to find whether a number is even or odd in java using if else](#) click here

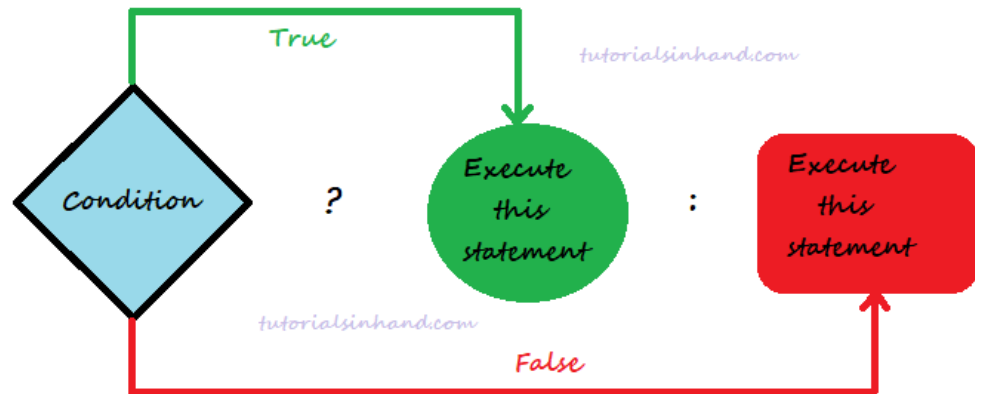
Here we will solve the problem using *ternary operator*.

Ternary operator can be used as an alternative to if else statement. It is also called as conditic operator.

Ternary operator consists of three operands as shown below.

Syntax of ternary operator

```
condition ? if true, then execute this : if false, then execute this
```



Ternary operator in java

Lets write even odd program in java using ternary operator.

```

package tihTernaryOperatorProgram;

import java.util.Scanner;

public class OddEvenUsingTernary{

    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);

        System.out.println("Enter number to test");
        int number = scan.nextInt();

        scan.close();

        //ternary operator to check number
        String result = number%2==0 ? "Even" : "Odd";

        System.out.println(number + " is " + result);

    }

}

```

OUTPUT

Enter number to test

19

19 is Odd

result for above ternary operator is evaluated as shown below:

19%2 will leave remainder 1 thus condition `number%2==0` is **false**. Thus odd is printed.

Suppose, number is 20. This time `number%2==0` will be **true** as remainder will be 0. Thus in this case even is printed.

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