

# ICSE J

Java for Class X Computer Applications

## Java Program to Check whether a Number is Even or Odd

Even Numbers are divisible by two while odd numbers are not divisible. Given below is a Java program to check whether a given number is even or odd.

```
1 public class EvenOdd {
2
3     public void check(int number) {
4         if (number % 2 == 0) {
5             System.out.println(number + " is an Even Number");
6         } else {
7             System.out.println(number + " is an Odd Number");
8         }
9     }
10 }
```

The method check() takes an int as an argument. We use an if-else decision making statements to check whether the number is even or odd. 'number % 2' gives the remainder on dividing number by 2. If the remainder is zero, we print a message saying that the given number is even. Otherwise, we print a message saying that the number is odd.

Here are two sample executions of the above program.

Input :

number = 34

Output:

34 is an Even Number

Input :

number = 7

Output:

7 is an Odd Number

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