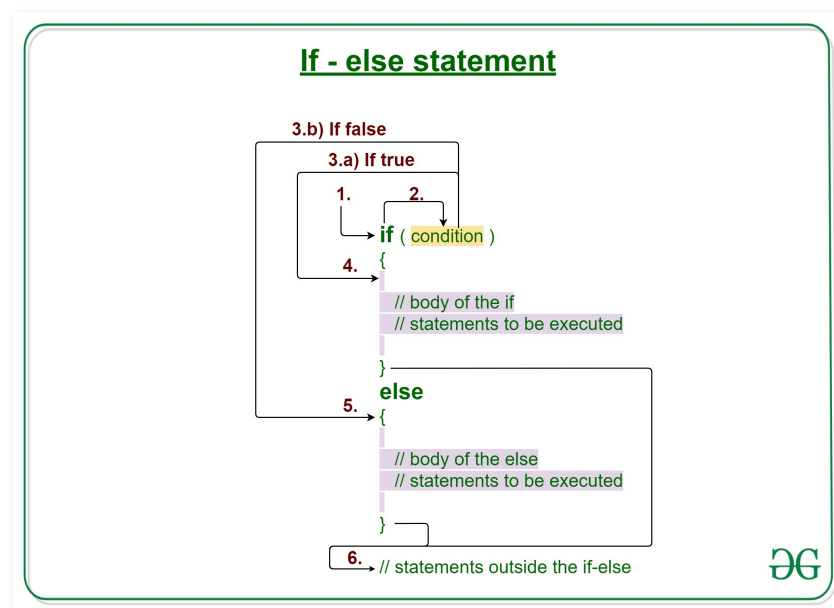


Java if-else statement with Examples

Difficulty Level : Easy Last Updated : 17 Feb, 2021

Decision Making in Java helps to write decision driven statements and execute a particular set of code based on certain conditions.

The **if statement** alone tells us that if a condition is true it will execute a block of statements and if the condition is false it won't. But what if we want to do something else if the condition is false. Here comes the **else statement**. We can use the else statement with if statement to execute a block of code when the condition is false.



Syntax:

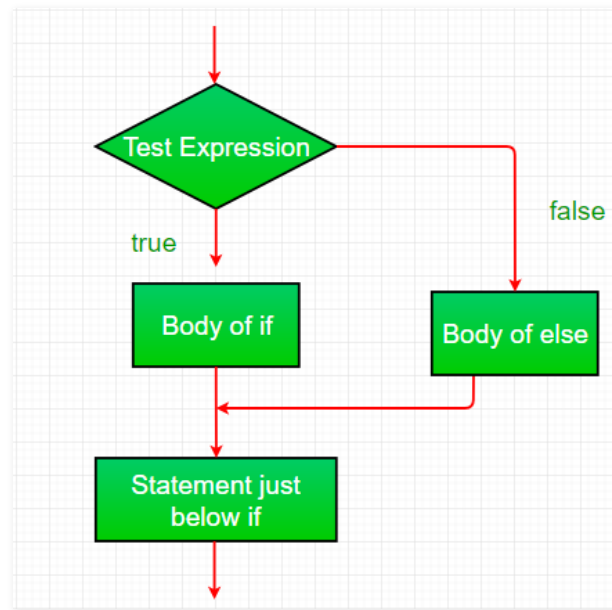
```
if (condition)
{
    // Executes this block if
    // condition is true
}
else
{
    // Executes this block if
    // condition is false
}
```

Working of if-else statements

1. Control falls into the if block.

2. The flow jumps to Condition.
3. Condition is tested.
 - a. If Condition yields true, goto Step 4.
 - b. If Condition yields false, goto Step 5.
4. The if-block or the body inside the if is executed.
5. The else block or the body inside the else is executed.
6. Flow exits the if-else block.

Flowchart if-else:



Example 1:

```
// Java program to illustrate if-else statement

class IfElseDemo {
    public static void main(String args[])
    {
        int i = 20;

        if (i < 15)
            System.out.println("i is smaller than 15");
        else
            System.out.println("i is greater than 15");

        System.out.println("Outside if-else block");
    }
}
```

Output:

```
i is greater than 15
Outside if-else block
```

Dry-Running Example 1:

1. Program starts.
2. i is initialized to 20.
3. if-condition is checked. $20 < 15$, yields false.
4. flow enters the else block.
 - 4.a) "i is greater than 15" is printed
5. "Outside if-else block" is printed.

Example 2:

```
// Java program to illustrate if-else statement

class IfElseDemo {
    public static void main(String args[])
    {
        String str = "geeksforgeeks";

        if (str == "geeks")
            System.out.println("Hello geek");
        else
            System.out.println("Welcome to GeeksforGeeks");
    }
}
```

Output:

```
Welcome to GeeksforGeeks
```

Related Articles:

1. [Decision Making in Java](#)
2. [Java if statement with Examples](#)
3. [Java if-else-if ladder with Examples](#)

4. Switch Statement in Java
5. Break statement in Java
6. return keyword in Java