

Java Lesson Notes

Week-11

The if...else if...else Statement

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An if statement can be followed by an optional *else if...else* statement, which is very useful to test various conditions using single if...else if statement.

When using if, else if, else statements there are a few points to keep in mind.

An if can have zero or one else's and it must come after any else if's.

An if can have zero to many else if's and they must come before the else.

Once an else if succeeds, none of the remaining else if's or else's will be tested.

The if...else if...else Statement

Syntax

```
if(Boolean_expression 1) {  
    // Executes when the Boolean expression 1 is true  
}else if(Boolean_expression 2) {  
    // Executes when the Boolean expression 2 is true  
}else if(Boolean_expression 3) {  
    // Executes when the Boolean expression 3 is true  
}else {  
    // Executes when the none of the above condition is true.  
}
```

Example

```
public class Test {  
  
    public static void main(String args[]) {  
        int x = 30;  
  
        if( x == 10 ) {  
            System.out.print("Value of X is 10");  
        }else if( x == 20 ) {  
            System.out.print("Value of X is 20");  
        }else if( x == 30 ) {  
            System.out.print("Value of X is 30");  
        }else {  
            System.out.print("This is else statement");  
        }  
    }  
}
```

This will produce the following result –

Output

```
Value of X is 30
```