[**If Then**](http://abhiandroid.com/java/if-then-else-in-java)

If then allow us to control the flow of program based on conditions, whether to execute a code or not. In simple word it gives the freedom to take decisions on what code to execute or not.

Syntax

if(Boolean [expression](http://abhiandroid.com/java/expression-statement-code-blocks-in-java) is true)

Execute this single statement;

#### [If Then Else](http://abhiandroid.com/java/if-then-else-in-java)****:****

What if you want to execute some code if the if condition evaluates to false, that’s when you need if then else in JAVA. The else statement says to execute the single statement or code of block if the if statement evaluates to false.

if(Boolean\_expression) {

// Executes when the Boolean expression is true

}else {

// Executes when the Boolean expression is false

}

**Example of if then else:**

**public** **class** IF\_THEN {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** x = 19;

**if**(x>10)//if statement

{

System.***out***.println("It is greater than 10.Lets check Its even or odd");

}

//if else statement

**if**(x%2==0){

System.***out***.println("x is even number");

}

**else**{

System.***out***.println("x is not an even number");

}

}

}

**Output** It is greater than 10.Lets check Its even or odd

x is not an even number