

VBSCRIPT LOGICAL OPERATORS

http://www.tutorialspoint.com/vbscript/vbscript_logical_operators.htm

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Following table shows all the Logical operators supported by VBScript language. Assume variable A holds 10 and variable B holds 0, then:

Operator	Description	Example
AND	Called Logical AND operator. If both the conditions are True, then Expression becomes True.	$a \neq 0$ AND $b \neq 0$ is False.
OR	Called Logical OR Operator. If any of the two conditions is True, then condition becomes True.	$a \neq 0$ OR $b \neq 0$ is true.
NOT	Called Logical NOT Operator. It reverses the logical state of its operand. If a condition is True, then the Logical NOT operator will make it False.	NOT $a \neq 0$ OR $b \neq 0$ is false.
XOR	Called Logical Exclusion. It is the combination of NOT and OR Operator. If one, and only one, of the expressions evaluates to True, result is True.	$a \neq 0$ XOR $b \neq 0$ is false.

Example:

Try the following example to understand all the Logical operators available in VBScript:

```
<!DOCTYPE html>
<html>
<body>
<script language="vbscript" type="text/vbscript">
  Dim a : a = 10
  Dim b : b = 0
  Dim c

  If a<>0 AND b<>0 Then
    Document.write ("AND Operator Result is : True")
    Document.write ("<br></br>") 'Inserting a Line Break for readability
  Else
    Document.write ("AND Operator Result is : False")
    Document.write ("<br></br>") 'Inserting a Line Break for readability
  End If

  If a<>0 OR b<>0 Then
    Document.write ("OR Operator Result is : True")
    Document.write ("<br></br>")
  Else
    Document.write ("OR Operator Result is : False")
    Document.write ("<br></br>")
  End If

  If NOT(a<>0 OR b<>0) Then
    Document.write ("NOT Operator Result is : True")
    Document.write ("<br></br>")
  Else
    Document.write ("NOT Operator Result is : False")
    Document.write ("<br></br>")
  End If

  If (a<>0 XOR b<>0) Then
    Document.write ("XOR Operator Result is : True")
    Document.write ("<br></br>")
  Else
    Document.write ("XOR Operator Result is : False")
```

```
    Document.write ("  
</br>")  
End If  
</script>  
</body>  
</html>
```

When you save it as .html and execute it in Internet Explorer, then the above script will produce the following result:

```
AND Operator Result is : False
```

```
OR Operator Result is : True
```

```
NOT Operator Result is : False
```

```
XOR Operator Result is : True
```

```
Loading [Mathjax]/jax/output/HTML-CSS/jax.js
```