VBSCRIPT LOGICAL OPERATORS

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

<table>
<thead>
<tr>
<th>Operator</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>AND</td>
<td>Called Logical AND operator. If both the conditions are True, then Expression becomes True.</td>
<td>a&lt;&gt;0 AND b&lt;&gt;0 is False.</td>
</tr>
<tr>
<td>OR</td>
<td>Called Logical OR Operator. If any of the two conditions is True, then condition becomes True.</td>
<td>a&lt;&gt;0 OR b&lt;&gt;0 is true.</td>
</tr>
<tr>
<td>NOT</td>
<td>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.</td>
<td>NOTa &lt;&gt; 0 OR b&lt;&gt;0 is false.</td>
</tr>
<tr>
<td>XOR</td>
<td>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.</td>
<td>a &lt;&gt; 0XORb &lt;&gt; 0 is false.</td>
</tr>
</tbody>
</table>

Example:

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

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

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

If (a<>0 XOR b<>0) Then
    Document.write "(XOR Operator Result is : True)"
    Document.write "(<br/>)"
Else
    Document.write "(XOR Operator Result is : False)"
</script>
</body>
</html>
When you save it as .html and execute it in Internet Explorer, then the above script will produce the following result:

<table>
<thead>
<tr>
<th>Operator</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>AND</td>
<td>False</td>
</tr>
<tr>
<td>OR</td>
<td>True</td>
</tr>
<tr>
<td>NOT</td>
<td>False</td>
</tr>
<tr>
<td>XOR</td>
<td>True</td>
</tr>
</tbody>
</table>