How can I use IF OR in VBA to test multiple conditions?

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To test multiple conditions in VBA, the IF OR statement can be used. This statement allows for the evaluation of multiple conditions at once, and executes a specific set of code if any of the conditions are met. This can be useful in situations where a program needs to check for various possible outcomes before proceeding with a certain task. The IF OR statement follows a specific syntax and can be easily implemented in VBA code. By incorporating IF OR statements, programmers can create more efficient and streamlined solutions to complex problems in their VBA projects.

VBA: Use IF OR to Test Multiple Conditions

You can use the following basic syntax in VBA with IF and OR to test if multiple conditions are met:

```
Sub IfOrTest()
If Range("A2") = "Warriors" Or Range("B2") > 100 Then
Range("C2").Value = "Yes!"
Else
Range("C2").Value = "No."
End IfEnd Sub
```

This particular example checks if the value in cell A2 is equal to Warriors" or if the value in cell B2 is greater than 100.

If either condition is met, a value of "Yes!" is returned in cell C2.

Otherwise, a value of "No." is returned in cell C2.

The following example shows how to use this syntax in practice.

Example: Use IF AND to Test Multiple Conditions in VBA

Suppose we have the following data in Excel:

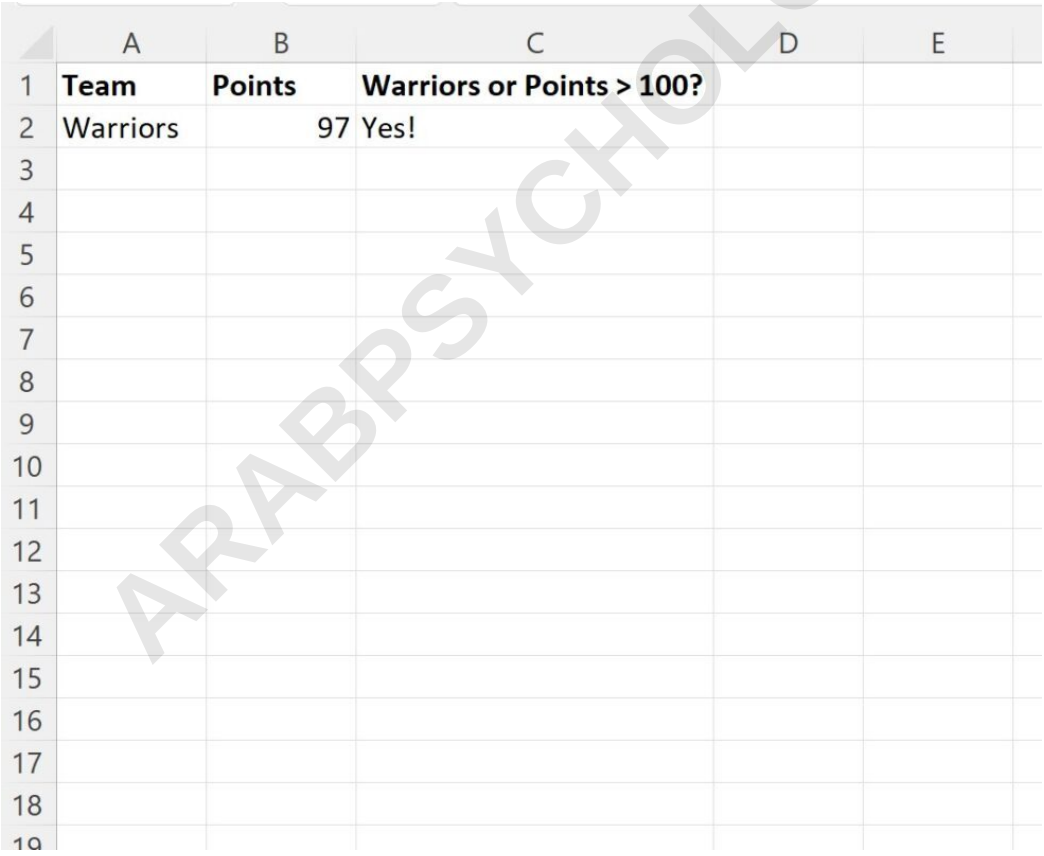
	A	B	C	D	E
1	**Team**	**Points**	**Warriors or Points > 100?**		
2	Warriors	97			
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					

Suppose we would like to determine if the team name is Warriors or if the points value is greater than 100 and return the result in cell C2.

We can create the following macro to do so:

```
Sub IfOrTest()
If Range("A2") = "Warriors" Or Range("B2") > 100 Then
Range("C2").Value = "Yes!"
Else
Range("C2").Value = "No."
End IfEnd Sub
```

When we run this macro, we receive the following output:



	A	B	C	D	E
1	**Team**	**Points**	**Warriors or Points > 100?**		
2	Warriors	97	Yes!		
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					

The macro correctly returns a value of "Yes!" in cell C2

since at least one of the conditions were met.

If we change the value of the points in cell A2 and then run the macro again, it will test if both conditions are met for the new values:

	A	B	C	D	E
1	**Team**	**Points**	**Warriors or Points > 100?**		
2	Rockets	97	No.		
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

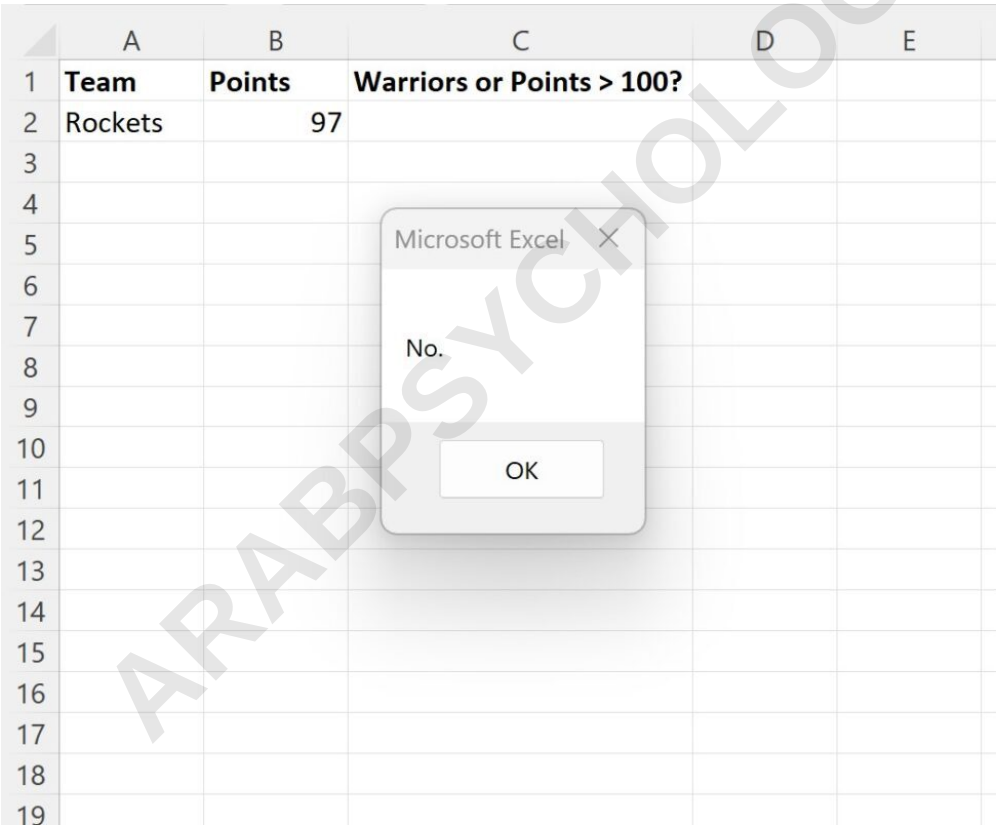
The macro correctly returns a value of "No." in cell C2 since neither condition was met.

If you would instead like to display the results in a message box, you can use the following syntax:

```
Sub IfOrTest()
```

If Range("A2") = "Warriors" Or Range("B2") > 100 Then
MsgBox "Yes!"
Else
MsgBox "No."
End IfEnd Sub

When we run this macro, we receive the following output:



The message box returns "No." since neither condition was met.

Note: In this example, we only used the Or operator once in our macro to test if two conditions were met but you can use as many Or operators as you'd like to test if more than two conditions are met.