

How can I use VBA to copy rows from one sheet to another based on specific criteria?

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VBA (Visual Basic for Applications) is a programming language that can be used in Microsoft Excel to automate tasks and manipulate data. One useful application of VBA is to copy rows from one sheet to another based on specific criteria. This means that users can specify certain conditions or criteria, and VBA will automatically copy the rows that meet those criteria from one sheet to another. This can save time and effort, especially when dealing with large amounts of data. By using VBA, users can streamline their data management process and improve efficiency in their Excel tasks.

VBA: Copy Rows to Another Sheet Based on Criteria

You can use the following syntax in VBA to copy each row in one sheet that meets specific criteria to another sheet:

```
Sub CopyToAnotherSheet()
```

```
Dim LastRow As Long
```

```
'Find last used row in a Column A of Sheet1With  
Worksheets("Sheet1")
```

```
LastRow = .Cells(.Rows.Count, "A").End(xlUp).Row
```

```
End With'Find first row where values should be posted  
in Sheet2With Worksheets("Sheet2")
```

```
j = .Cells(.Rows.Count, "A").End(xlUp).Row + 1
```

```
End With'Paste each row that contains "Mavs" in  
column A of Sheet1 into Sheet2For i = 1 To LastRow  
With Worksheets("Sheet1")
```

```
If .Cells(i, 1).Value = "Mavs" Then
```

```
.Rows(i).Copy
```

```
Destination:=Worksheets("Sheet2").Range("A" & j)
```

```
j = j + 1
```

```
End IfEnd WithNext i
```

```
End Sub
```

This particular macro will copy each row in Sheet1 where column A is equal to "Mavs" and paste each of these rows into the next available rows in Sheet2.

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

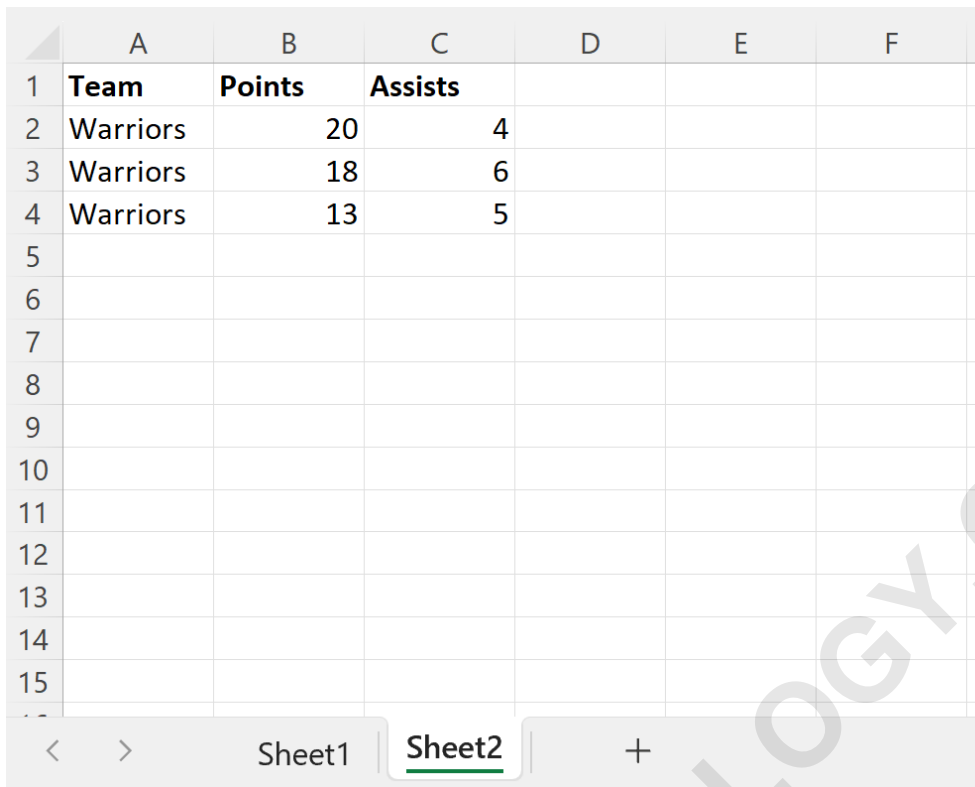
Example: Copy Rows to Another Sheet Based on Criteria Using VBA

Suppose we have the following dataset in Sheet1 that contains information about various basketball players:

	A	B	C	D	E	F
1	Team	Points	Assists			
2	Mavs	22	9			
3	Warriors	20	4			
4	Mavs	14	4			
5	Mavs	22	9			
6	Warriors	18	6			
7	Warriors	13	5			
8						
9						
10						
11						
12						
13						
14						
15						

Sheet1 | Sheet2 | +

And suppose we have the following dataset in Sheet2:



The screenshot shows an Excel spreadsheet with two sheets: Sheet1 and Sheet2. Sheet2 is active and contains the following data:

	A	B	C	D	E	F
1	Team	Points	Assists			
2	Warriors	20	4			
3	Warriors	18	6			
4	Warriors	13	5			
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Notice that Sheet2 only contains data for players on the Warriors team.

Suppose we would like to copy each row in Sheet1 where the Team column is equal to Mavs and paste each of these rows in the next available rows in Sheet2.

We can create the following macro to do so:

Sub CopyToAnotherSheet()

Dim LastRow As Long

```
'Find last used row in a Column A of Sheet1With  
Worksheets("Sheet1")  
LastRow = .Cells(.Rows.Count, "A").End(xlUp).Row  
End With'Find first row where values should be posted  
in Sheet2With Worksheets("Sheet2")  
j = .Cells(.Rows.Count, "A").End(xlUp).Row + 1  
End With'Paste each row that contains "Mavs" in  
column A of Sheet1 into Sheet2For i = 1 To LastRow  
With Worksheets("Sheet1")  
If .Cells(i, 1).Value = "Mavs" Then  
.Rows(i).Copy  
Destination:=Worksheets("Sheet2").Range("A" & j)  
j = j + 1  
End IfEnd WithNext i  
  
End Sub
```

When we run this macro, we receive the following output in Sheet2:

	A	B	C	D	E	F
1	Team	Points	Assists			
2	Warriors	20	4			
3	Warriors	18	6			
4	Warriors	13	5			
5	Mavs	22	9			
6	Mavs	14	4			
7	Mavs	22	9			
8						
9						
10						
11						
12						
13						
14						
15						

The screenshot shows two sheets: Sheet1 and Sheet2. Sheet1 contains the data shown in the table above. Sheet2 is currently empty, and the rows from Sheet1 where the team is 'Mavs' (rows 5, 6, and 7) are being copied to the top of Sheet2.

Notice that each row in Sheet1 where the Team name was equal to Mavs has been pasted into the next available rows in Sheet2.

Note: You can find the complete documentation for the VBA Copy method .