

Can VLOOKUP be used from another sheet in VBA?

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VLOOKUP is a popular function in Microsoft Excel that allows users to search for a specific value and retrieve information from a designated table. In VBA (Visual Basic for Applications), it is possible to use the VLOOKUP function from another sheet. This can be done by referencing the sheet name and cell range in the function's formula. This feature provides flexibility and convenience for VBA users who need to perform data lookup and retrieval tasks across multiple sheets. Furthermore, it allows for smoother automation of data handling processes.

VBA: Use VLOOKUP From Another Sheet

You can use the following basic syntax to perform a VLOOKUP from another sheet using VBA:

```
Sub Vlookup()  
Range("B2").Value =  
WorksheetFunction.Vlookup(Range("A2"),  
Sheets("Sheet2").Range("A2:C11"),3,False)  
End Sub
```

This particular example looks up the value in cell A2 of the current sheet in the range A2:C11 of the sheet called Sheet2 and finds the corresponding value in the third column of the range and then assigns the result to cell B2 in the current sheet.

Note: The last argument of False specifies that we want an exact match.

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

Example: How to Use VLOOKUP From Another Sheet in VBA

Suppose we have the following dataset in a sheet called Sheet2 in an Excel workbook that contains information about various basketball players:

	A	B	C	D	E	F
1	Team	Points	Assists			
2	Mavs	22	12			
3	Rockets	24	14			
4	Spurs	29	6			
5	Nets	13	8			
6	Hawks	15	8			
7	Magic	20	7			
8	Kings	29	3			
9	Lakers	31	9			
10	Warriors	40	4			
11	Celtics	13	3			
12						
13						
14						
15						
16						
17						

Now suppose we switch to the sheet called Sheet1 and would like to look up the team name "Kings" in the dataset from Sheet2 and return the corresponding value in the assists column in Sheet1.

	A	B	C	D	E	F
1	Team	Assists				
2	Kings	=VLOOKUP(A2, Sheets('Sheet2').Range('A2:C11'), 3, False)				
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

We can create the following macro to do so:

```
Sub Vlookup()
```

```
Range("B2").Value
```

```
=
```

```
WorksheetFunction.Vlookup(Range("A2"),
```

```
Sheets("Sheet2").Range("A2:C11"),3,False)
```

```
End Sub
```

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

	A	B	C	D	E	F
1	Team	Assists				
2	Kings	3				
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

The macro correctly returns a value of 3 assists for the Kings.

If we change the name of the team in cell A2 and then run the macro again, it will correctly find the assists value for the new team name.

For example, suppose we change the team name to "Warriors" and run the macro again:

	A	B	C	D	E	F
1	Team	Assists				
2	Warriors	4				
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

The macro correctly returns a value of 4 assists for the Warriors.

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