

# How can I use VBA to find the last used row in a worksheet?

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## RECOMMENDED CITATION

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VBA (Visual Basic for Applications) is a programming language used to automate tasks in Microsoft Excel. One common task that users often need to perform is finding the last used row in a worksheet. This can be achieved by using the "End" property in VBA, which allows programmers to identify the last cell in a specific range. By utilizing this property and looping through the rows, one can easily determine the last used row in a worksheet. This information can then be used to perform various tasks, such as inserting data or formatting cells. Overall, utilizing VBA to find the last used row in a worksheet can greatly improve efficiency and accuracy in Excel tasks.

## VBA: Find Last Used Row

You can use the following basic syntax in VBA to find the last row used in an Excel sheet:

```
Sub FindLastRow()
```

```
Range("D2")=Cells.Find("*",Range("A1"),xlFormulas,xlP  
art,xlByRows,xlPrevious,False).Row
```

```
End Sub
```

This particular example finds the last used row in the current sheet and returns the result in cell D2.

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

```
Sub FindLastRow()
```

```
Dim LastRow As Long
```

```
LastRow=Cells.Find("*",
```

**Range("A1"),xlFormulas,xlPart,xlByRows,xlPrevious, False).Row**

**MsgBox "Last Row: " & LastRow  
End Sub**

**The following examples shows how to use each of these methods in practice.**

**Example 1: Find Last Row Using VBA and Display Results in Cell**

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

	A	B	C	D	E	F
1	<b>Player</b>	<b>Points</b>				
2	A	22				
3	B	34				
4	C	40				
5	D	18				
6	E	13				
7	F	25				
8	G	16				
9	H	41				
10	I	11				
11	J	26				
12						
13						
14						
15						
16						
17						
18						
19						

**We can create the following macro to find the last row used in this Excel sheet and display the result in cell D2:**

```
Sub FindLastRow()
```

```
Range("D2")=Cells.Find("*",Range("A1"),xlFormulas,xlP  
art,xlByRows,xlPrevious,False).Row
```

```
End Sub
```

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

	A	B	C	D	E	F
1	<b>Player</b>	<b>Points</b>		<b>Last Row</b>		
2	A	22		11		
3	B	34				
4	C	40				
5	D	18				
6	E	13				
7	F	25				
8	G	16				
9	H	41				
10	I	11				
11	J	26				
12						
13						
14						
15						
16						
17						
18						
19						
20						

**Notice that cell D2 contains a value of 11.**

**This tells us that the last used row in this particular sheet is row 11.**

**It's also worth noting that if you have empty cells before a used cell, this macro will still find the last used row.**

**For example, suppose we run the macro on the following dataset:**

	A	B	C	D	E	F	G
1	<b>Player</b>	<b>Points</b>		<b>Last Row</b>			
2	A	22		16			
3	B	34					
4	C	40					
5	D	18					
6	E	13					
7	F	25					
8	G	16					
9	H	41					
10	I	11					
11	J	26					
12							
13							
14							
15							
16	O						
17							
18							
19							

**Cell D2 contains a value of 16 because this is the last row with a value in it.**

**Example 2: Find Last Row Using VBA and Display Results in Message Box**

**Suppose we would instead like to find the last used row in a sheet and display the row number in a message box.**

**We can create the following macro to do so:**

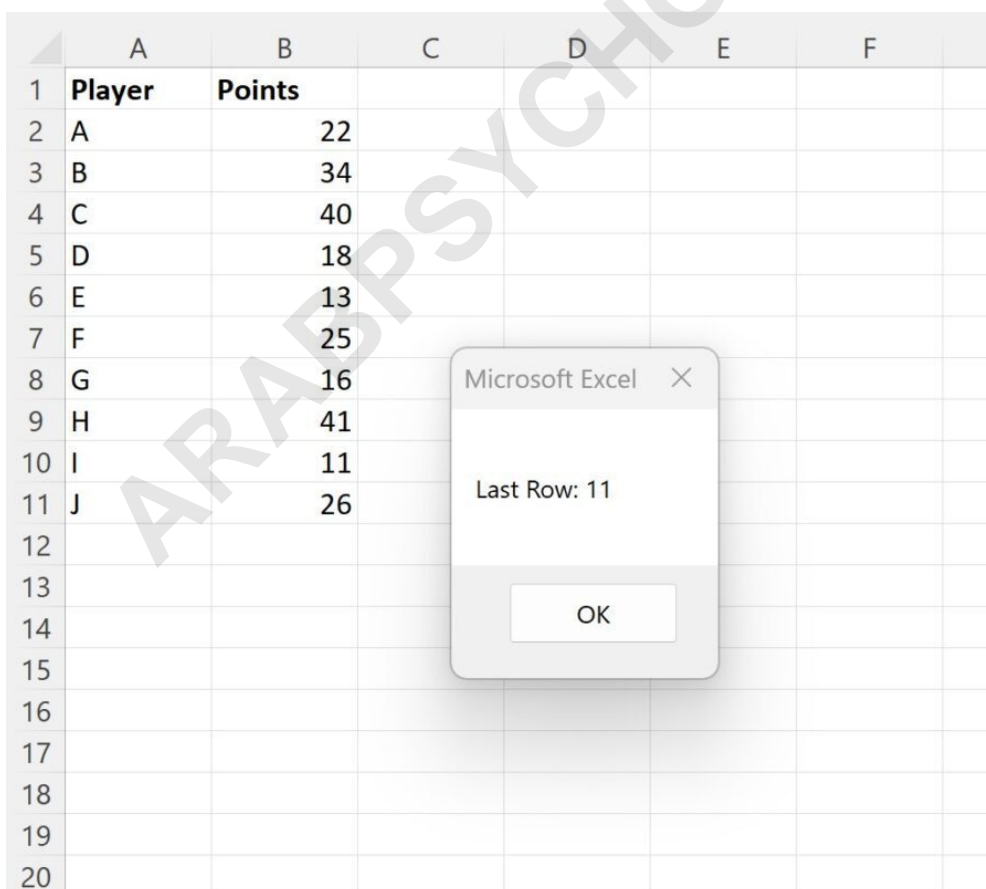
**Sub FindLastRow()**

## Dim LastRow As Long

```
LastRow=Cells.Find("*",  
Range("A1"),xlFormulas,xlPart,xlByRows,xlPrevious,Fal  
se).Row
```

```
MsgBox "Last Row: " & LastRow  
End Sub
```

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



	A	B	C	D	E	F
1	<b>Player</b>	<b>Points</b>				
2	A	22				
3	B	34				
4	C	40				
5	D	18				
6	E	13				
7	F	25				
8	G	16				
9	H	41				
10	I	11				
11	J	26				
12						
13						
14						
15						
16						
17						
18						
19						
20						

Microsoft Excel

Last Row: 11

OK

**The message box tells us that the last used row in the sheet is row 11.**

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

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