

How can I count the number of sheets in a workbook using VBA?

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In VBA, the number of sheets in a workbook can be counted by utilizing the "Sheets.Count" function. This function returns the total number of sheets in a workbook, including hidden sheets. It is a simple and efficient method to accurately count the number of sheets within a workbook, allowing for easier navigation and management of a large amount of data. By incorporating this function into VBA code, users can quickly and easily retrieve the total number of sheets in a workbook for various purposes, such as data analysis or organizational tasks.

VBA: Count Number of Sheets in Workbook

You can use the following methods to count the number of sheets in a workbook in Excel:

Method 1: Count Number of Sheets in Active Workbook

```
Sub CountSheetsActive()
```

```
Range("A1") = ThisWorkbook.Worksheets.CountEnd
```

```
Sub
```

Method 2: Count Number of Sheets in Open Workbook

```
Sub CountSheetsOpen()
```

```
Range("A1") =
```

```
Workbooks("my_data.xlsx").Sheets.Count
```

```
End Sub
```

Method 3: Count Number of Sheets in Closed Workbook

```
Sub CountSheetsClosed()
```

```
Application.DisplayAlerts = False
```

```
Set wb =
```

```
Workbooks.Open("C:\Users\Bob\Desktop\my_data.xlsx")
```

'count sheets in closed workbook and display count in cell A1 of current workbook

```
ThisWorkbook.Sheets(1).Range("A1").Value =
```

```
wb.Sheets.Count
```

```
wb.Close SaveChanges:=True
```

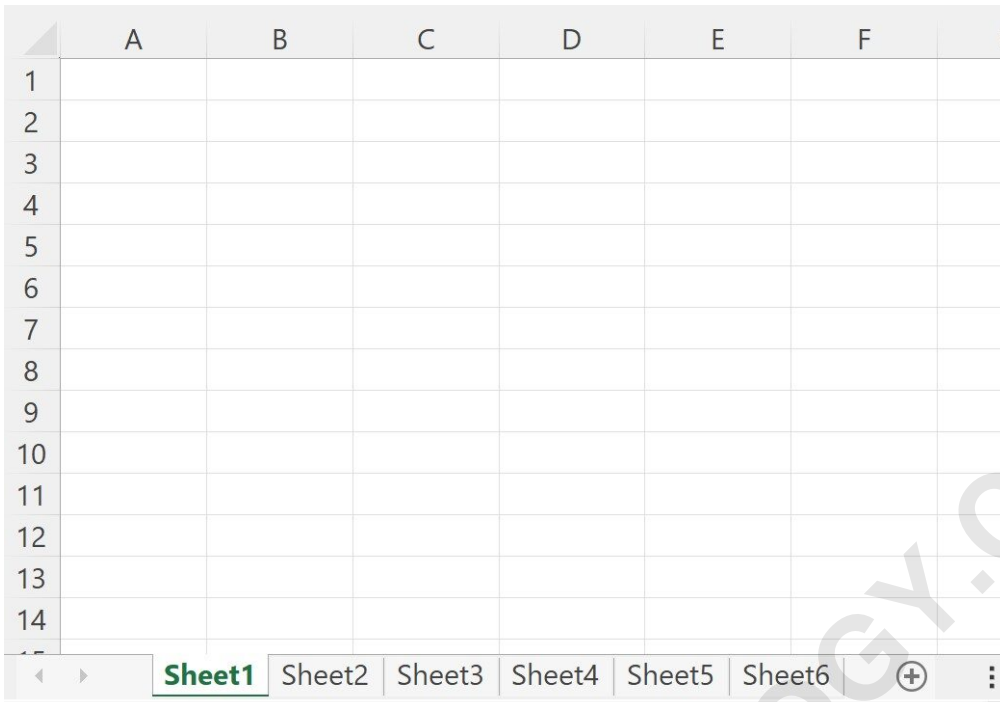
```
Application.DisplayAlerts = True
```

```
End Sub
```

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

Example 1: Count Number of Sheets in Active Workbook

Suppose we have the following Excel workbook open and we're viewing it:



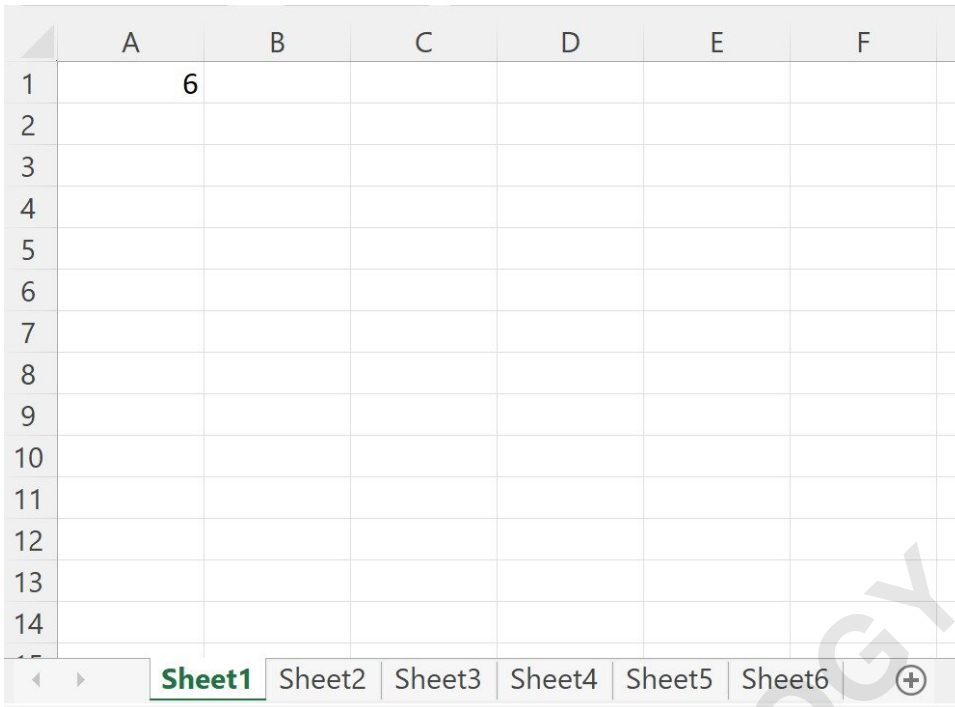
We can use the following macro to count the total number of sheets in this workbook and display the count in cell A1:

```
Sub CountSheetsActive()
```

```
Range("A1") = ThisWorkbook.Worksheets.Count
```

```
End Sub
```

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



The image shows a screenshot of an Excel spreadsheet. The grid displays columns A through F and rows 1 through 14. Cell A1 contains the number 6. The sheet tab bar at the bottom shows six sheets: Sheet1, Sheet2, Sheet3, Sheet4, Sheet5, and Sheet6. A watermark 'ARABPSYCHOLOGY.COM' is visible diagonally across the spreadsheet.

	A	B	C	D	E	F
1	6					
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

Notice that cell A1 contains a value of 6.

This tells us that there are 6 sheets in this workbook.

Example 2: Count Number of Sheets in Open Workbook

Suppose we have an Excel workbook called my_data.xlsx with two sheets that is opened but we're not currently viewing it.

We can use the following macro to count the total number of sheets in this workbook and display the count in cell A1 of the active workbook:

```
Sub CountSheetsOpen()
```

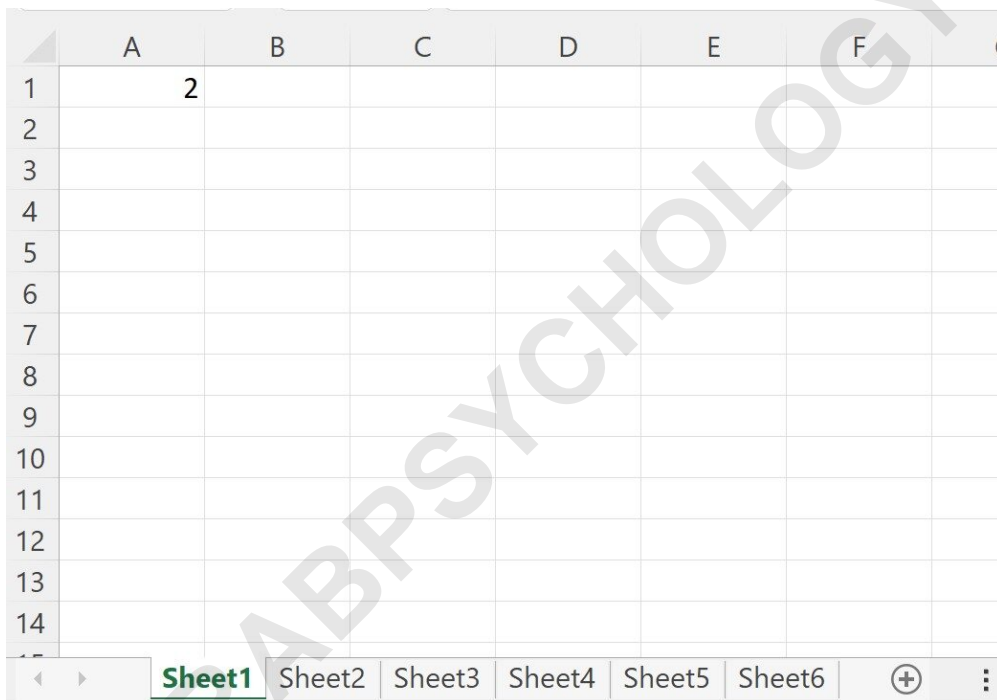
```
Range("A1")
```

```
=
```

```
Workbooks("my_data.xlsx").Sheets.Count
```

```
End Sub
```

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



	A	B	C	D	E	F	G
1	2						
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							

Notice that cell A1 contains a value of 2.

This tells us that there are 2 sheets in the open workbook called my_data.xlsx.

Example 3: Count Number of Sheets in Closed Workbook

Suppose we have an Excel workbook called `my_data.xlsx` with two sheets that is not currently open but is located in the following file location:

`C:\Users\Bob\Desktop\my_data.xlsx`

We can use the following macro to count the total number of sheets in this workbook and display the count in cell A1 of the first sheet of the active workbook:

```
Sub CountSheetsClosed()
```

```
Application.DisplayAlerts = False
```

```
Set wb =
```

```
Workbooks.Open("C:\Users\Bob\Desktop\my_data.xlsx")
```

```
'count sheets in closed workbook and display count in  
cell A1 of current workbook
```

```
ThisWorkbook.Sheets(1).Range("A1").Value =
```

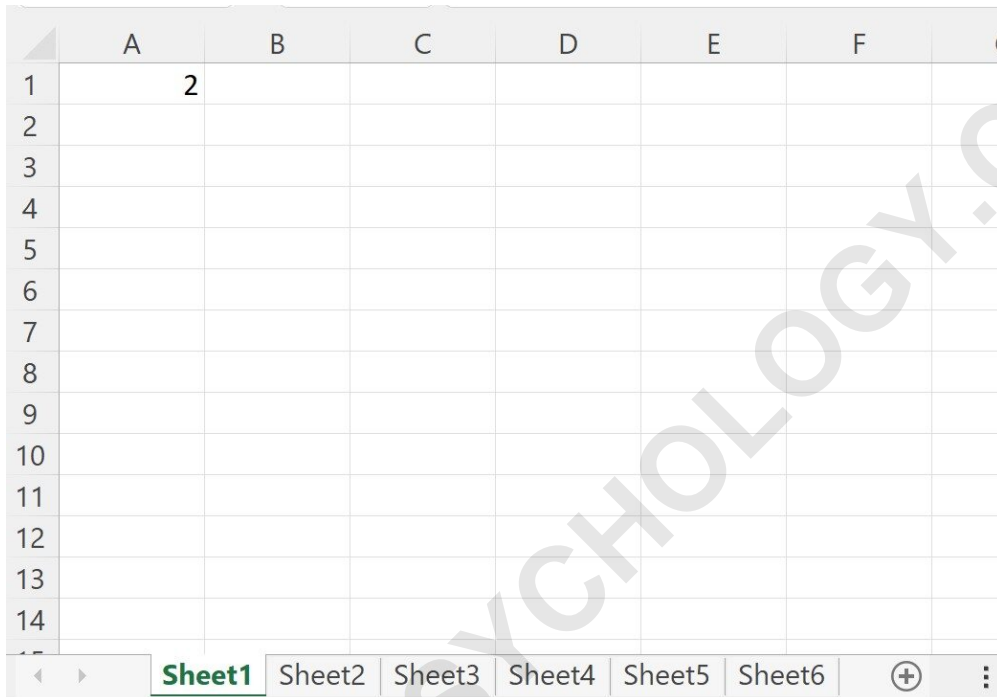
```
wb.Sheets.Count
```

```
wb.Close SaveChanges:=True
```

```
Application.DisplayAlerts = True
```

End Sub

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



	A	B	C	D	E	F	G
1	2						
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

The screenshot shows an Excel spreadsheet with 6 sheets: Sheet1, Sheet2, Sheet3, Sheet4, Sheet5, and Sheet6. The value 2 is displayed in cell A1. A watermark 'ARABPSYCHOLOGY.COM' is visible across the spreadsheet.

Notice that cell A1 contains a value of 2.

This tells us that there are 2 sheets in the closed workbook called my_data.xlsx.

Note: Within the code, `Application.DisplayAlerts=False` tells VBA not to display the process of opening the closed workbook, counting the sheets, and then closing the workbook.