

How can I use VBA to delete a sheet in Excel if the sheet name contains a specific text?

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VBA (Visual Basic for Applications) is a programming language used in Microsoft Excel to automate tasks and manipulate data. One useful function of VBA is the ability to delete a sheet in Excel based on specific criteria, such as a certain text in the sheet's name. This can be achieved by using the "Like" operator to search for the text, and then using the "Delete" method to remove the sheet. This allows for efficient and precise deletion of sheets, saving time and effort for the user.

VBA: Delete Sheet if Name Contains Specific Text

You can use the following syntax in VBA to delete each sheet in an Excel workbook that contains specific text:

Sub DeleteSheets()

Dim TextToFind As String

Dim TextWildcard As String

Dim Ws As Worksheet

Dim i As Integer

'prompt user for text to search for in sheet names

TextToFind = Application.InputBox("Delete Sheets That Contain: ", _

ThisWorkbook.ActiveSheet.Name, , , , 2)

TextWildcard = "*" & TextToFind & "*"

Application.DisplayAlerts = False

'loop through sheets and delete each sheet that

contains text

i = 0

For Each Ws In ThisWorkbook.Sheets

If Ws.Name Like TextWildcard Then

Ws.Delete

i = i + 1

End IfNext Ws

Application.DisplayAlerts = True

End Sub

When you run this particular macro, an input box will appear that you can type a specific text string in.

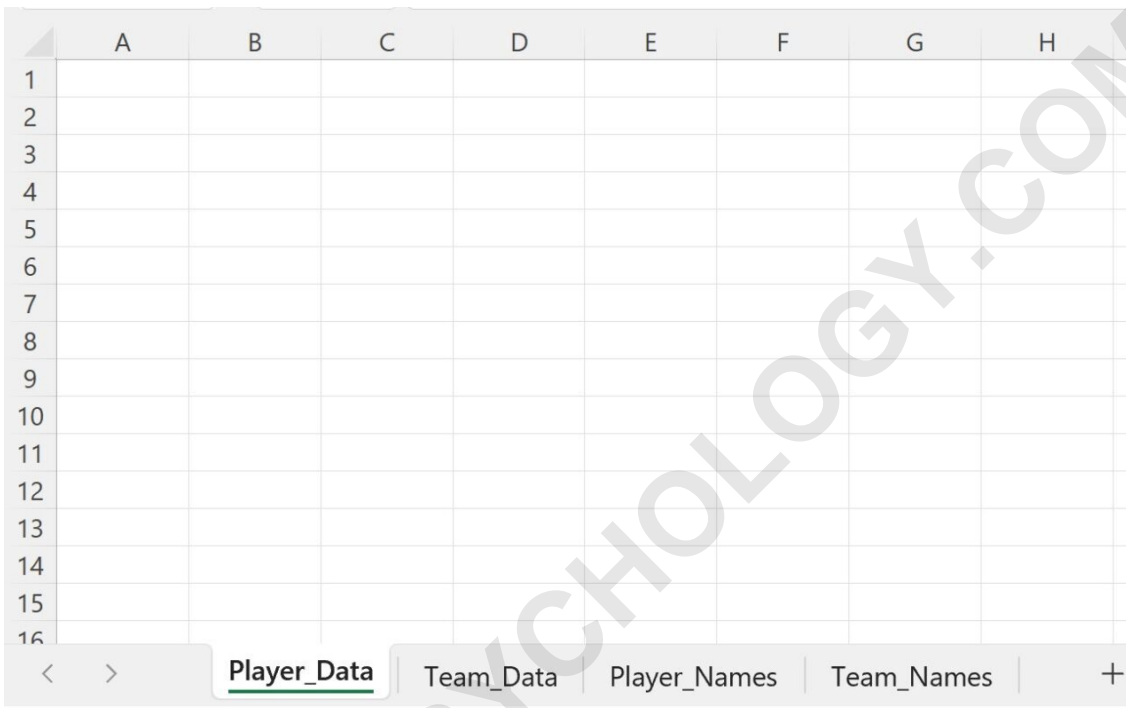
Once you press Enter, each sheet in the Excel workbook that contains that specific text will automatically be deleted.

Note: The line `Application.DisplayAlerts=False` tells VBA not to display the process of deleting the sheets, which makes it run quicker.

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

Example: Use VBA to Delete Sheets that Contain Specific Text

Suppose we have the following Excel workbook that contains four sheets:



Now suppose that we would like to delete each sheet that contains "Team" in the sheet name.

We can create the following macro to do so:

```
Sub DeleteSheets()
```

```
Dim TextToFind As String
```

```
Dim TextWildcard As String
```

```
Dim Ws As Worksheet
```

Dim i As Integer

'prompt user for text to search for in sheet names

```
TextToFind = Application.InputBox("Delete Sheets That  
Contain: ", _
```

```
ThisWorkbook.ActiveSheet.Name, , , , 2)
```

```
TextWildcard = "*" & TextToFind & "*"
```

```
Application.DisplayAlerts = False
```

'loop through sheets and delete each sheet that
contains text

```
i = 0
```

```
For Each Ws In ThisWorkbook.Sheets
```

```
If Ws.Name Like TextWildcard Then
```

```
Ws.Delete
```

```
i = i + 1
```

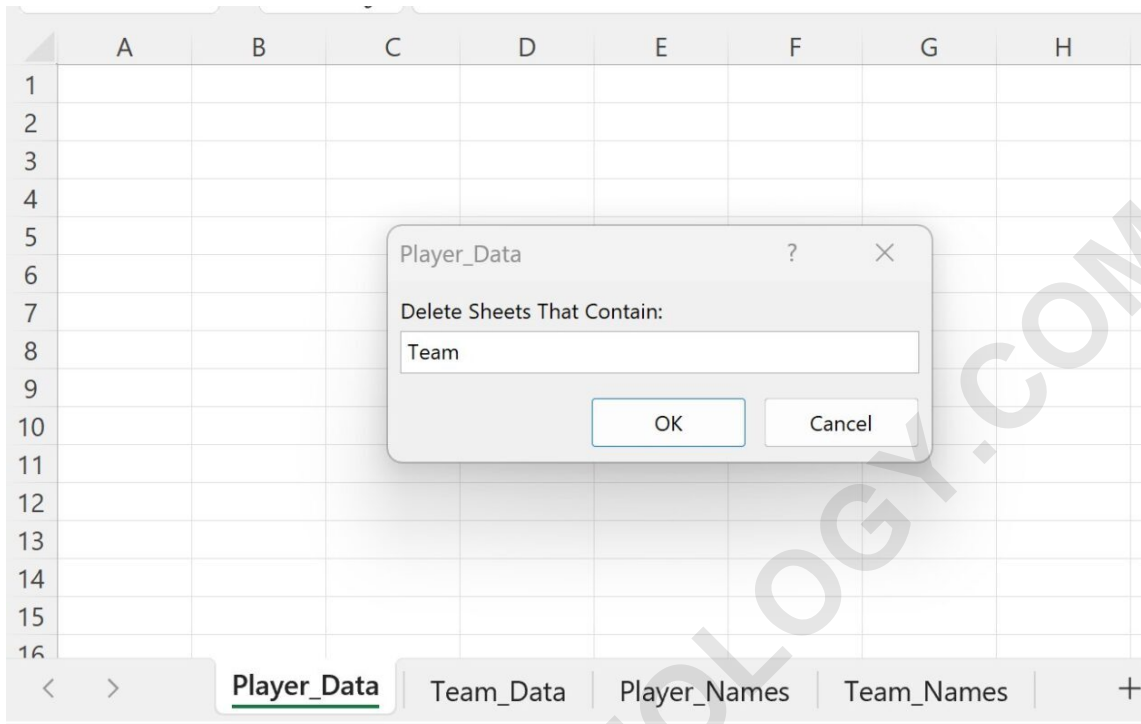
```
End IfNext Ws
```

```
Application.DisplayAlerts = True
```

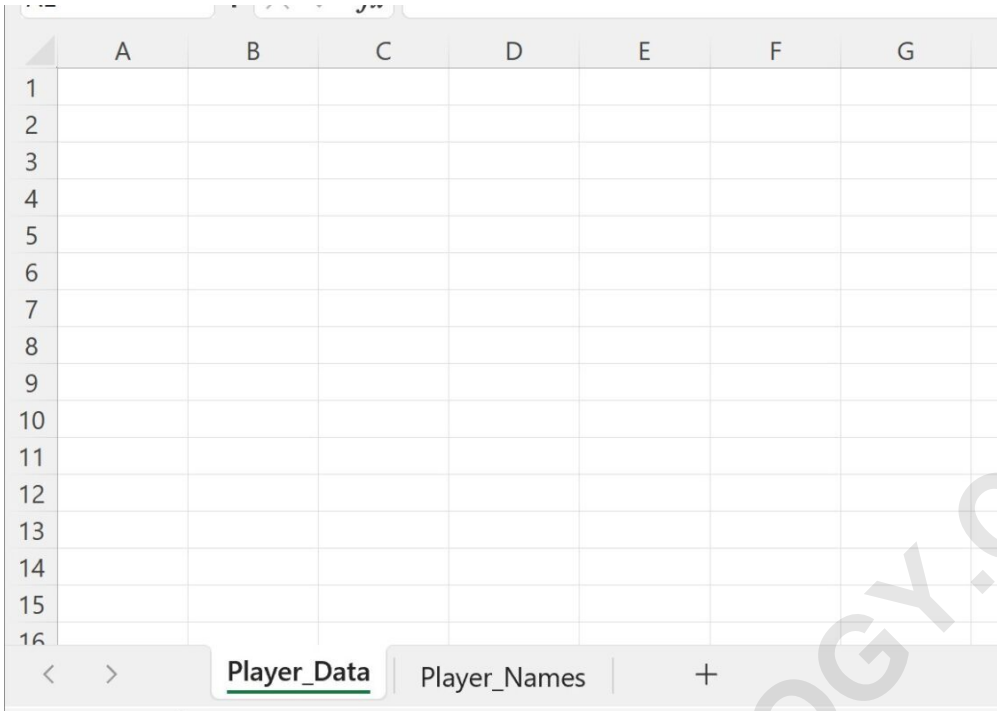
```
End Sub
```

When we run this macro, an input box appears where we can type in the text we'd like to search for in the

sheet names:



Once we type in "Team" and press OK, the sheet names that contain "Team" anywhere in the name will automatically be deleted:



Notice that the two sheets that contained "Team" in the sheet name have been deleted.