Getting data in and out of the Windows Clipboard

For work­ing with **Win­dows Clip­board** you need **DataOb­ject**, the object in **MSForms** library. It pro­vides sup­port for text-string.  
For that you must add the ref­er­ence **“Microsoft Forms 2.0 Object Library”**  
[How to add “Microsoft Forms 2.0 Object Library”](http://excel-macro.tutorialhorizon.com/vba-excel-reference-libraries-in-excel-workbook/)  
Now, For putting text in the Clip­board, Fol­low the below steps.  
Steps:  
•    Ini­tial­ize the Data Object, the type of MSForms.DataObject  
•    Cre­ate a String  
•    Set the String into Data Object using Set­Text() method.  
•    Put the data in Clip­Board using PutInClipboard

**Ini­tial­ize the Data Object, the type of MSForms.DataObject**  
Dim obj­Data As **New MSForms.DataObject**  
**Cre­ate a String**  
str­Text = “I will be in Clip­Board“  
**Set the String into Data Object using Set­Text() method.**  
objData.SetText str­Text  
**Put the data in Clip­Board using PutIn­Clip­board**  
obj­Data.**PutIn­Clip­board**

**Com­plete Code:**

**Function FnPutDataInClipBoard**()

Dim objData As New **MSForms.DataObject**

Dim strText

strText = "I will be in ClipBoard"

objData.**SetText strText**

objData.**PutInClipboard**

**End Function**

**In ear­lier ses­sion you saw how to put text in the win­dows clip­board(**[Putting Text In The Win­dows Clip­board](http://excel-macro.tutorialhorizon.com/vba-excel-putting-text-in-the-windows-clipboard/" \o "Putting Text In The Windows Clipboard" \t "_blank)) **using** PutIn­Clip­board() and Data Object. In this ses­sion you will learn how to get the text from the clipboard.

For Get­ting the text from the Clip­board, Fol­low the below steps.

Steps:

* Ini­tial­ize the Data Object, the type of MSForms.DataObject
* Get the text from the clip­board using Data Object
* Get the text out of Data Object using Get­Text() method.

**Ini­tial­ize the Data Object, the type of MSForms.DataObject**  
Dim obj­Data As New MSForms.DataObject  
**Get the text from the clip­board using Data Object**  
objData.GetFromClipboard  
**Get the text out of Data Object using Get­Text() metho**d.  
objData.GetText()

**Com­plete Code:**

**Function** FnGetTextFromClipBoard()

    Dim objData As New **MSForms.DataObject**

    Dim strText

**objData.GetFromClipboard**

    strText = **objData.GetText()**

    MsgBox strText

**End Function**

**In ear­lier ses­sions  you saw how to put text in the win­dows clip­board (**[Putting Text In The Win­dows Clip­board](http://excel-macro.tutorialhorizon.com/vba-excel-putting-text-in-the-windows-clipboard/)**) with the help of** PutIn­Clip­board() and Data Object and [how to get the text from the Clip­board](http://excel-macro.tutorialhorizon.com/vba-excel-get-text-from-the-windows-clipboard/) using **Get­From­Clip­board() and Data Object.**

In this ses­sion you will learn how to store mul­ti­ple data’s in Clip­board and retrieve them. For stor­ing mul­ti­ple data’s, you need to store val­ues as pair, Keys and Val­ues or you can say for­mat iden­ti­fier and while retriev­ing the data from the Clip­board you will use these for­mat iden­ti­fiers to get the data. This data can be String, Long, Integer.

For stor­ing mul­ti­ple data in Clip­board, Fol­low the below steps.

**Steps:**

•    Ini­tial­ize the Data Object, the type of MSForms.DataObject  
•    Ini­tial­ize a String and an Inte­ger.  
•    Set the String into Data Object using Set­Text() method and pro­vide for­mat iden­ti­fier  
•    Put the data in Clip­Board using PutIn­Clip­board  
•    Fetch the data from Clip­Board using **GetFromClipboard(“format iden­ti­fier”)**

**Ini­tial­ize the Data Object, the type of MSForms.DataObject**  
Dim obj­Data As New MSForms.DataObject  
**Ini­tial­ize a String and an Inte­ger.**  
str­Text = “I am the First One“  
int­Data = 5  
**Set the String into Data Object using Set­Text() method and pro­vide for­mat iden­ti­fier**  
objData.SetText str­Text, “StringOne”

**Put the data in Clip­Board using PutIn­Clip­board**  
objData.PutInClipboard

**Fetch the data from Clip­Board using GetFromClipboard(“format iden­ti­fier”)**  
objData.GetText(“StringOne”)

**Com­plete Code:**

**Function** FnStoreMultipleDataInClipBoard()

Dim objData As **New MSForms.DataObject**

Dim strText

Dim intData

strText = "I am the First One"

intData = 5

objData.**SetText strText, "StringOne"**

objData.**PutInClipboard**

objData.**SetText intData, "IntegerOne"**

objData.**PutInClipboard**

MsgBox "Data in ClipBoard : '" & **objData.GetText("StringOne")** & "' And '" &   **objData.GetText("IntegerOne")** & "'"

**End Function**

Sub GetClipBoardText()

Dim DataObj As MSForms.DataObject

Set DataObj = New MsForms.DataObject '<~~ Amended as per jp's suggestion

On Error GoTo Whoa

'~~> Get data from the clipboard.

DataObj.GetFromClipboard

'~~> Get clipboard contents

myString = DataObj.GetText(1)

MsgBox myString

Exit Sub

Whoa:

If Err <> 0 Then MsgBox "Data on clipboard is not text or is empty"

End Sub