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VBA - WORKBOOKS (OPEN, SAVE, CLOSE, CREATE)

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1. OPEN A WORKBOOK

```
Sub OpenWorkbookExample()  
    Dim Wb As Workbook  
    Set Wb = Workbooks.Open("C:\Users\Akshay\OneDrive\Documents\DataFile.xlsx")  
    MsgBox "Workbook " & Wb.Name & " is now open."  
End Sub
```

Open file from path
File path in quotes
Store in Workbook variable

2. SAVE AND CLOSE WORKBOOK

```
Sub SaveCloseWorkbook()  
    Dim Wb As Workbook  
    Set Wb = Workbooks("DataFile.xlsx")  
  
    Wb.Save          ' Save changes  
    Wb.Close         ' Close  
  
    MsgBox "Workbook closed successfully!"  
End Sub
```

.Save = save changes
.Close False = close without asking
.Close True = close and save

3. CREATE NEW WORKBOOK

```
Sub CreateNewWorkbook()  
    Dim Wb As Workbook  
    Set Wb = Workbooks.Add  
  
    Wb.SaveAs "C:\Users\Akshay\OneDrive\Documents\NewFile.xlsx"  
    MsgBox "New workbook created and saved!"  
End Sub
```

Workbooks.Add = create new
SaveAs = save with filename
Full path required

4. LOOP THROUGH ALL OPEN WORKBOOKS

```
Sub ListOpenWorkbooks()  
    Dim Wb As Workbook  
    Dim msg As String  
  
    msg = "Open workbooks:" & vbCrLf  
    For Each Wb In Workbooks  
        msg = msg & Wb.Name & vbCrLf  
    Next Wb  
  
    MsgBox msg
```

End Sub

For Each Wb In Workbooks
Loop through all open files
Get name with .Name
vbCrLf = new line

5. COPY DATA BETWEEN WORKBOOKS

```
Sub CopyDataBetweenWorkbooks()  
    Dim wbSource As Workbook  
    Dim wbTarget As Workbook  
  
    Set wbSource = Workbooks("DataFile.xlsx")  
    Set wbTarget = Workbooks("NewFile.xlsx")  
  
    wbSource.Sheets("Sheet1").Range("A1:D6").Copy _  
        Destination:=wbTarget.Sheets("Sheet1").Range("A1")  
  
    MsgBox "Data copied successfully!"  
End Sub
```

Reference two workbooks
Copy range from source
Paste to target with Destination
Use underscore to continue line

SUMMARY TABLE

Task	Code	Result
Open	Workbooks.Open(path)	Open file
Save	Wb.Save	Save changes
Close	Wb.Close False	Close file
Create New	Workbooks.Add	New workbook
Loop All	For Each Wb In Workbooks	Loop files
Copy Between	.Copy Destination:=	Copy data

QUICK COMMANDS

Workbooks.Open "C:\path\file.xlsx"

Workbooks("DataFile.xlsx")

Wb.Save

Wb.Close False

Workbooks.Add

For Each Wb In Workbooks

 MsgBox Wb.Name

Next Wb

Wb.Sheets("Sheet1").Range("A1").Copy

Destination:=wbTarget.Sheets("Sheet1").Range("B1")

```
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KEY POINTS
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```

- Set Wb = for reference
 - Workbooks = all open files
 - Wb.Name = filename
 - Full path required for open
 - False = don't save on close
 - True = save on close
 - Copy needs Destination
 - vbCrLf = line break
 - Loop with For Each
- ```
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```