



How to install Excel XPS macro on the Mac Excel 2016

hideki

Ver. 8.41

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Installation of macro on Mac

- The process is the same as that in Windows version except making the database folder.
 - Personal macro workbook
 - Solver add-in and reference in VBE
 - Shortcut key for cmd + opt + “e”
 - Database folder in working space “MyExcelFolder”

The latest version of Excel works great, keep updating your Excel.



Sign in



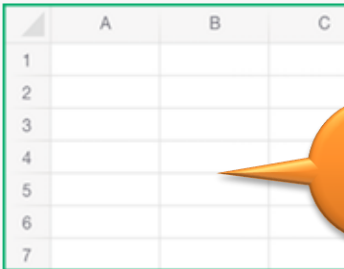
New



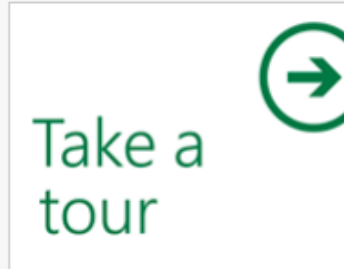
Recent



Open



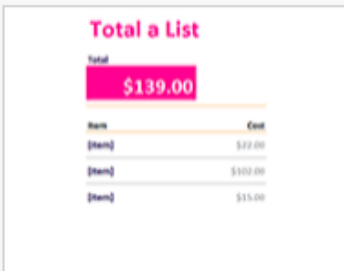
Blank Workbook



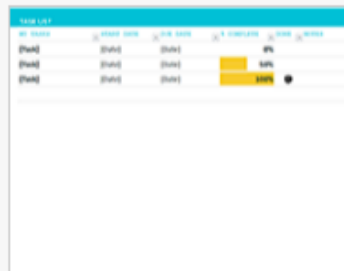
Welcome to Excel



Make a List



Total a List



Track My Tasks



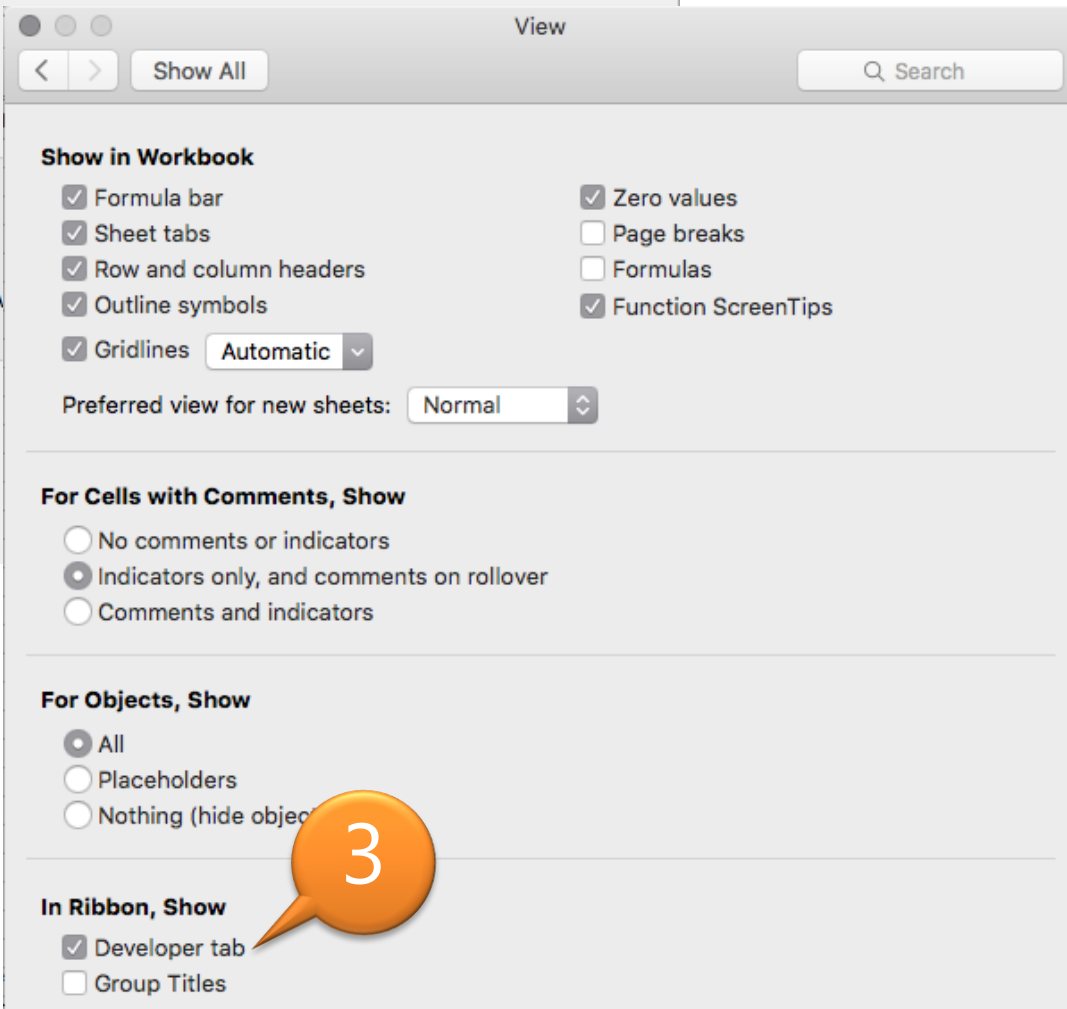
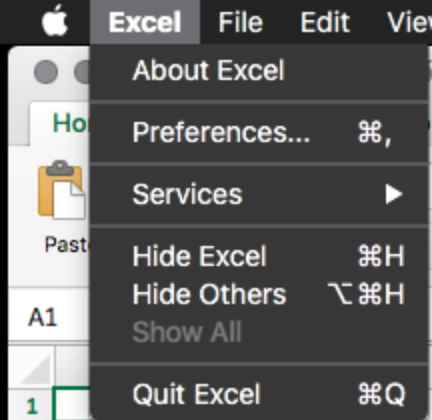
Manage My Money

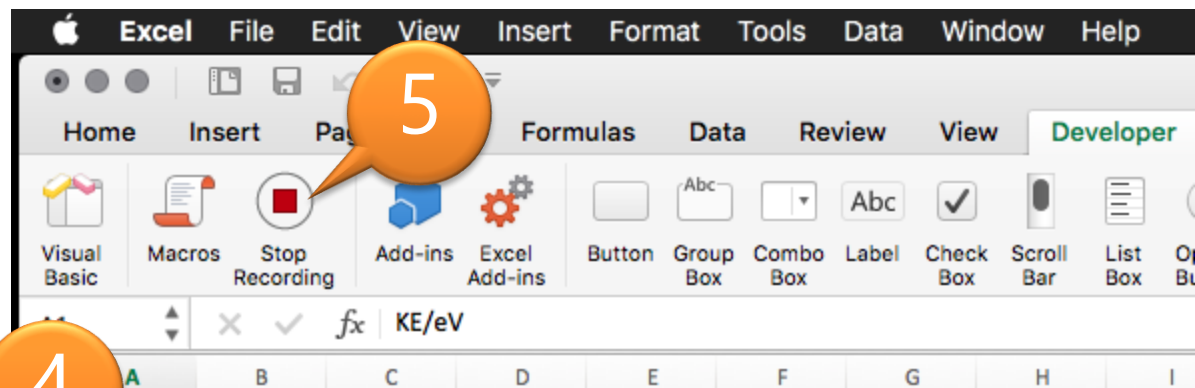
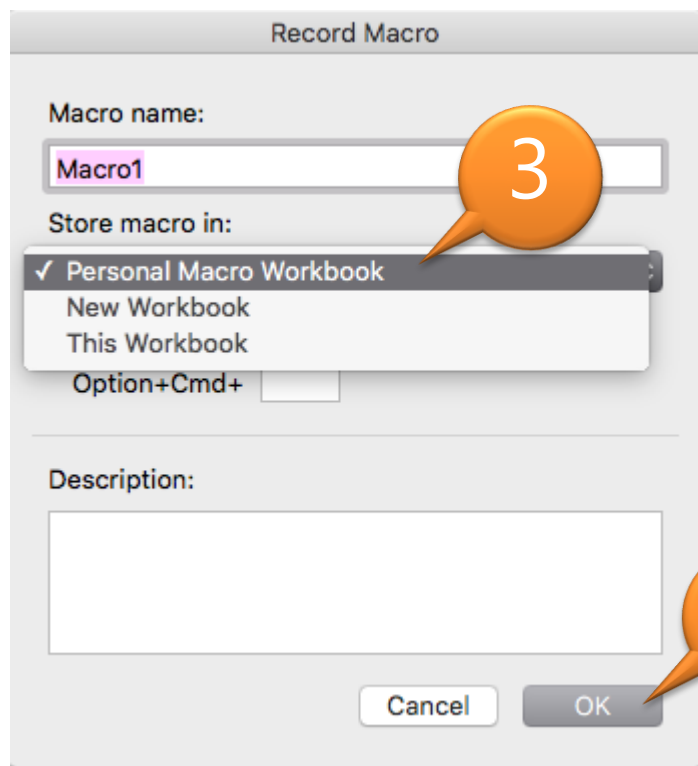
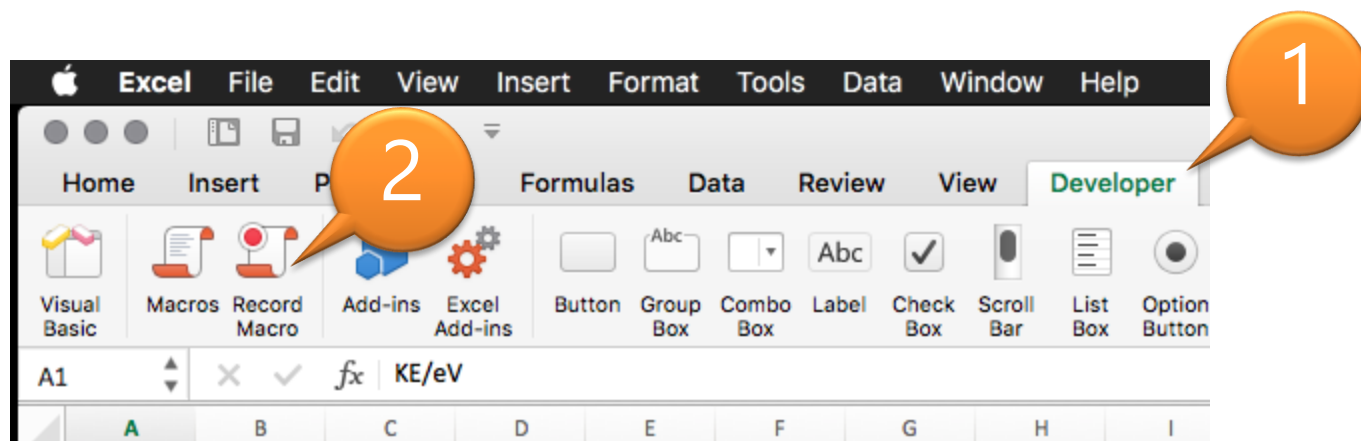


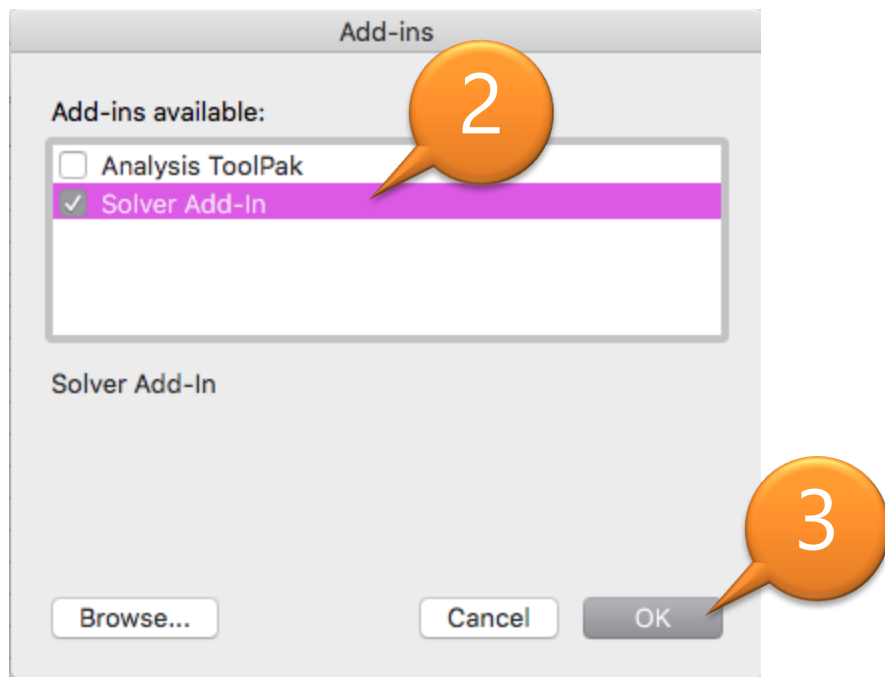
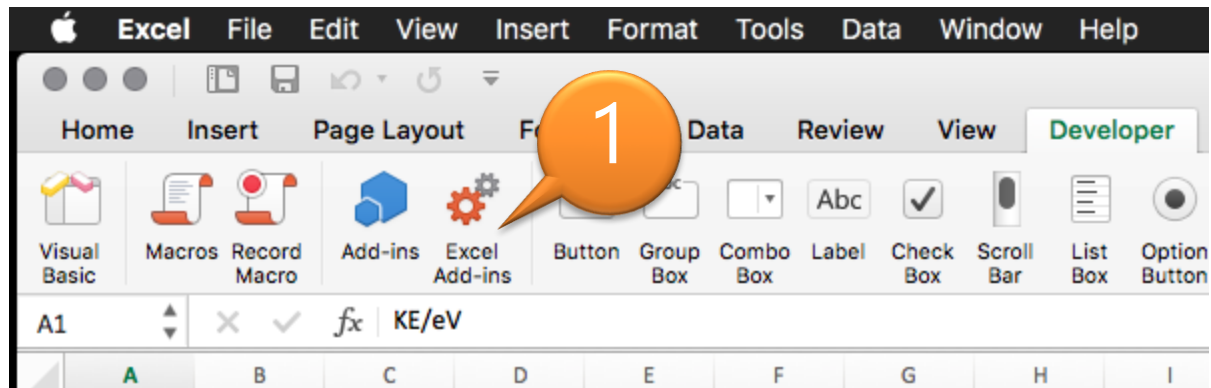
2

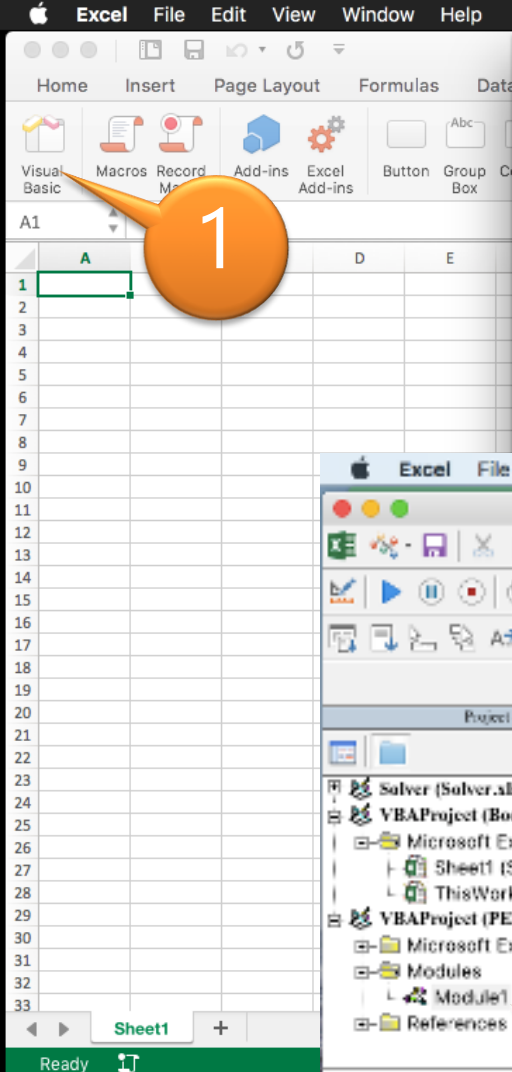
Cancel

Create

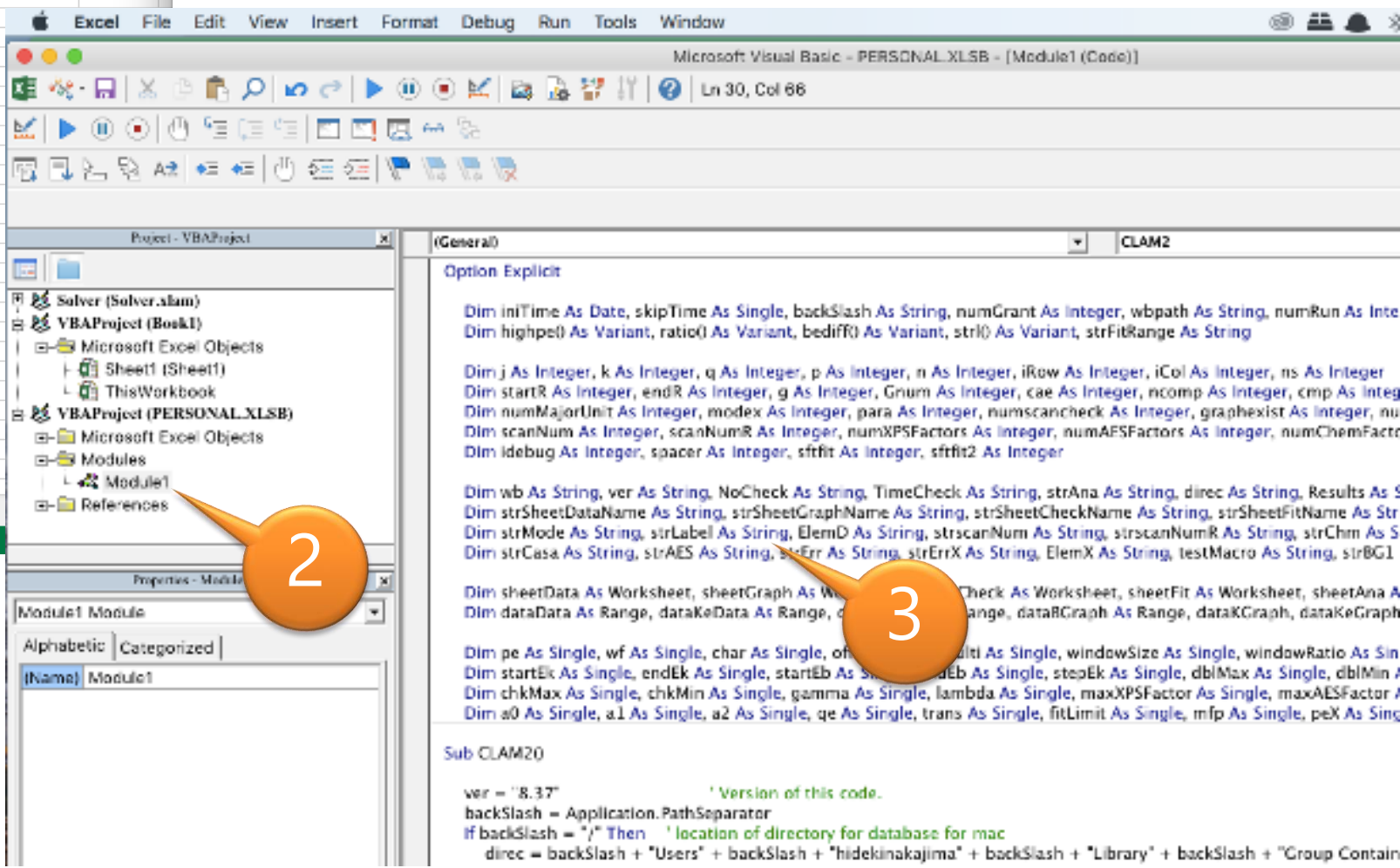




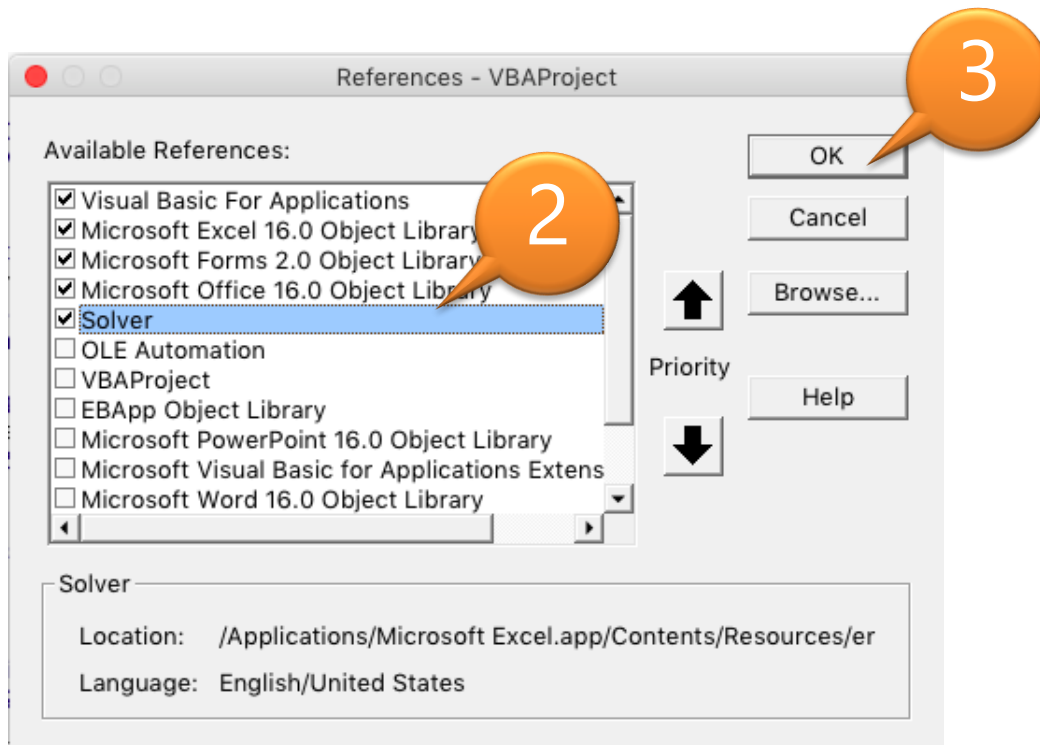
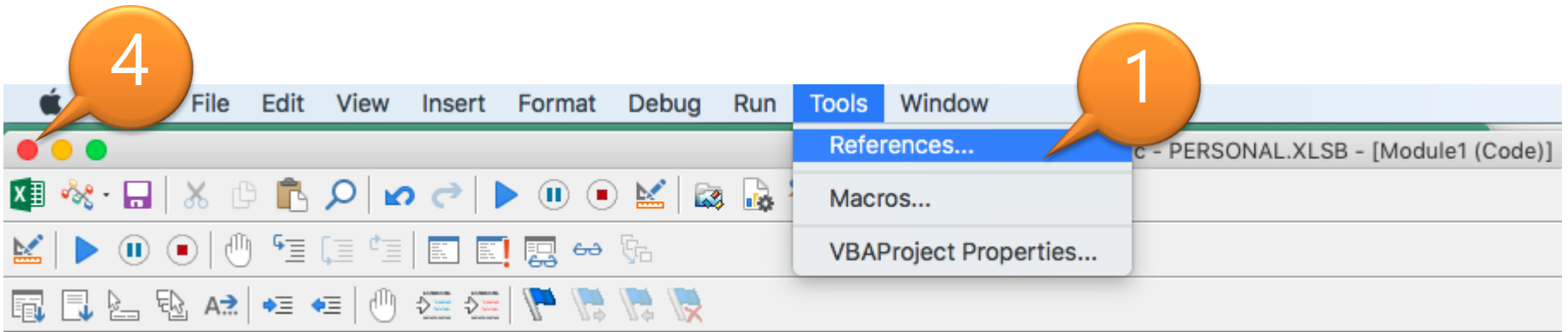


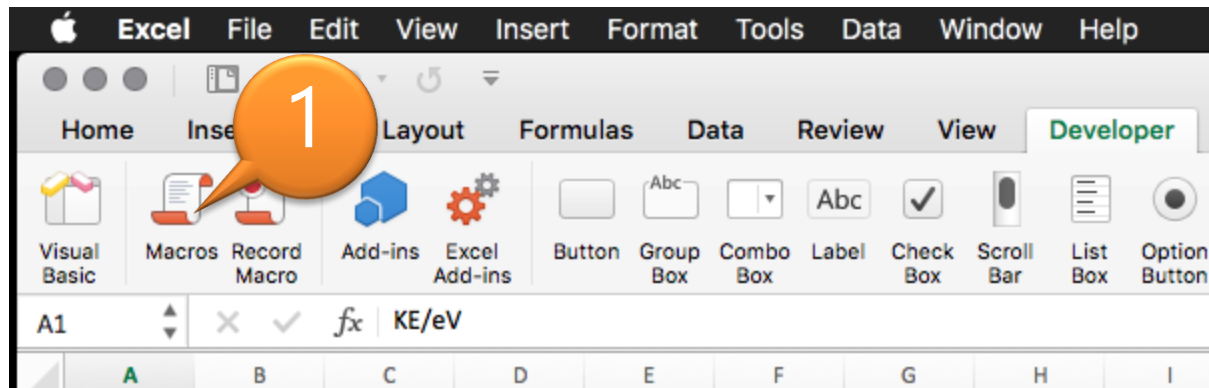


Switch Visual Basic Editor mode, double-click to open VBAProject (PERSONAL.XLSB)– Module - Module1, and paste the code from LoadCLAMvXXX_std.vb opened with test editor.

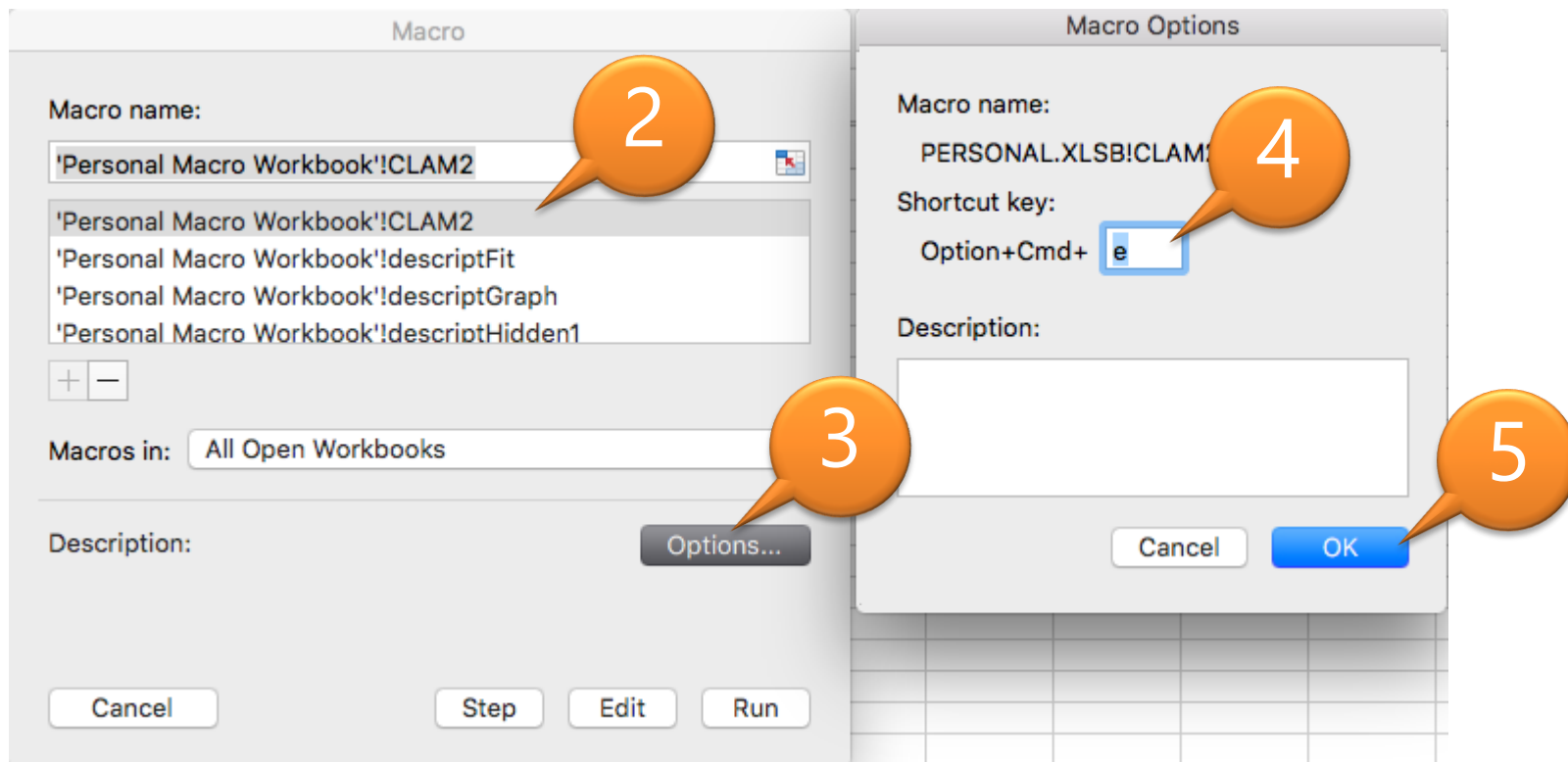


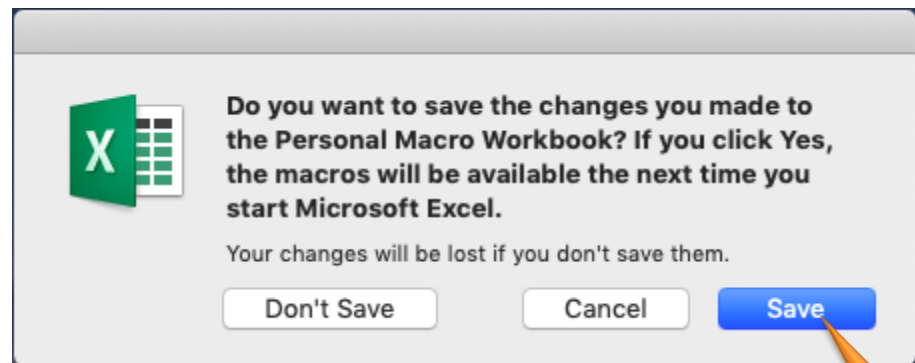
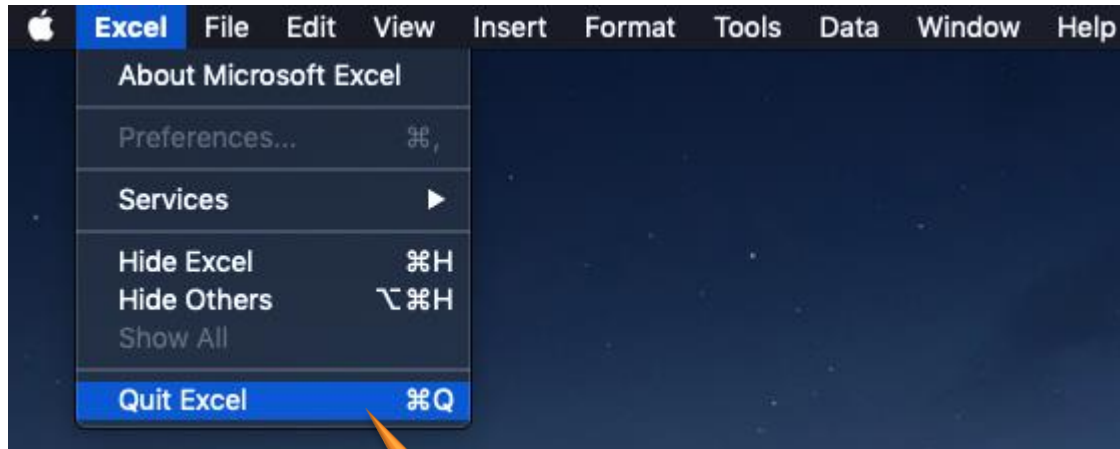
Menu accessible in the Visual Basic Editor mode.





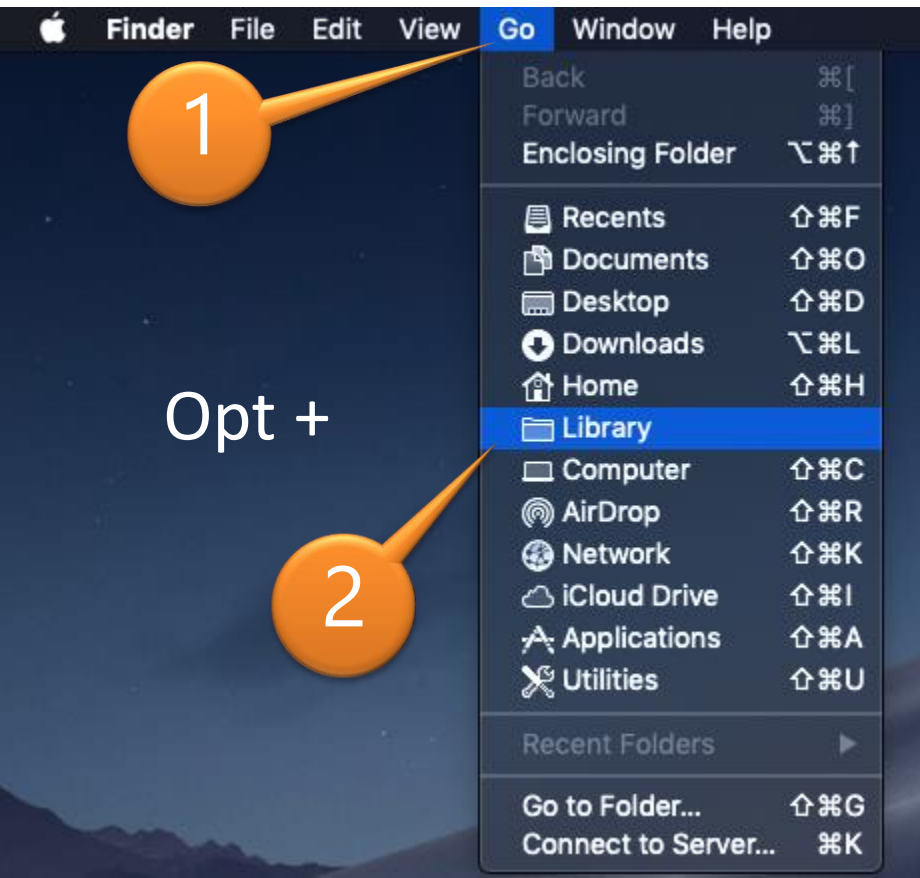
Assign the shortcut key “e”





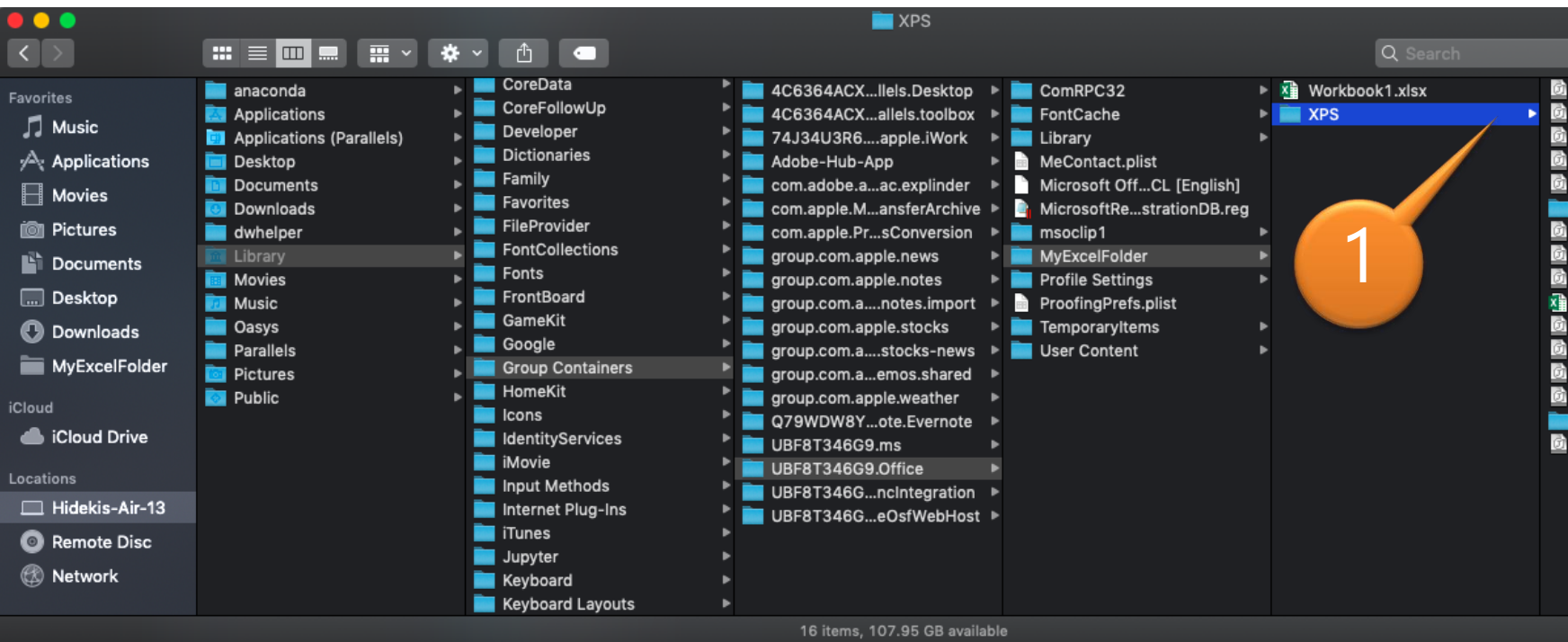
So far, the procedure is the same as that in Windows.
Next slide shows how to create the folder for database on mac.

1. Open a Finder Window
2. Hold the **Alt (Option)** key when you press on **Go** in the Finder menu bar
3. Click on **Library**
4. Open the **Group Containers** folder
5. Open the **UBF8T346G9.Office** folder
6. Create a Folder inside this folder named **MyExcelFolder** for example
7. Select this folder

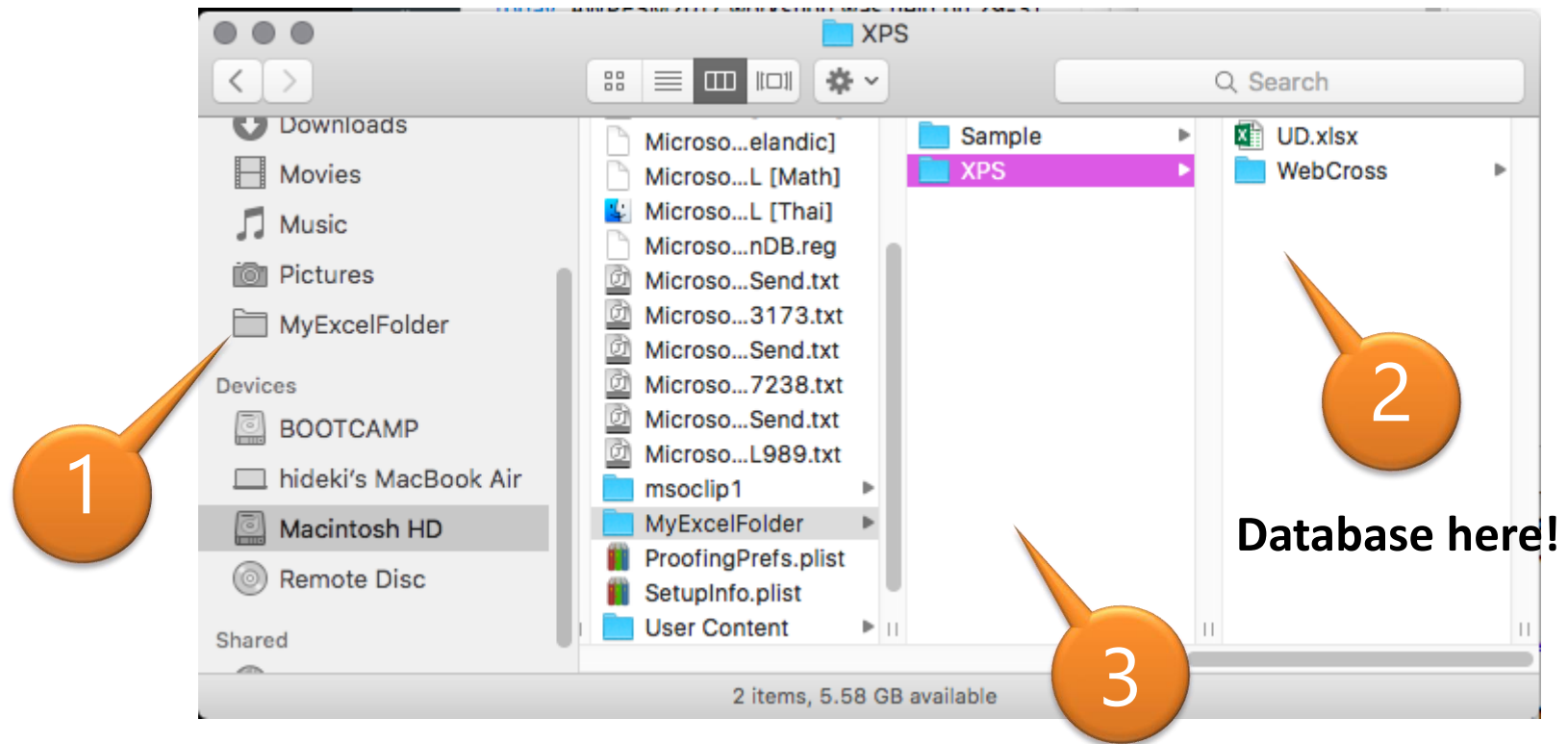


Library folder can be accessed from Go with Option key, otherwise no Library menu appears as shown in Fig.

Database (or workbook) files should be placed in
Library/Group Containers/UBF8T346G9.Office/MyExcelFolder/XPS/



Drag & drop **MyExcelFolder** into Favorites menu for next access.



Workbooks here!

Any text and Excel files should be in the MyExcelFolder for analysis.

Open the sample file with Excel and use shortcut key.

The main screenshot shows an Excel spreadsheet with the following data in columns A and B:

KE/eV	110904_1625_1
496	609
496.1	553
496.2	591
496.3	554
496.4	589
496.5	576
496.6	602
496.7	587
496.8	576
496.9	608
497	584
497.1	566
497.2	555
497.3	543
497.4	576
497.5	606
497.6	614
497.7	575
497.8	593
497.9	641
498	602
498.1	598
498.2	611
498.3	635
498.4	586
498.5	632
498.6	628
498.7	567
498.8	606
498.9	599
499	604
499.1	624

A diagram shows the keyboard shortcut: **Cmd + Opt + e**.

Two dialog boxes are shown:

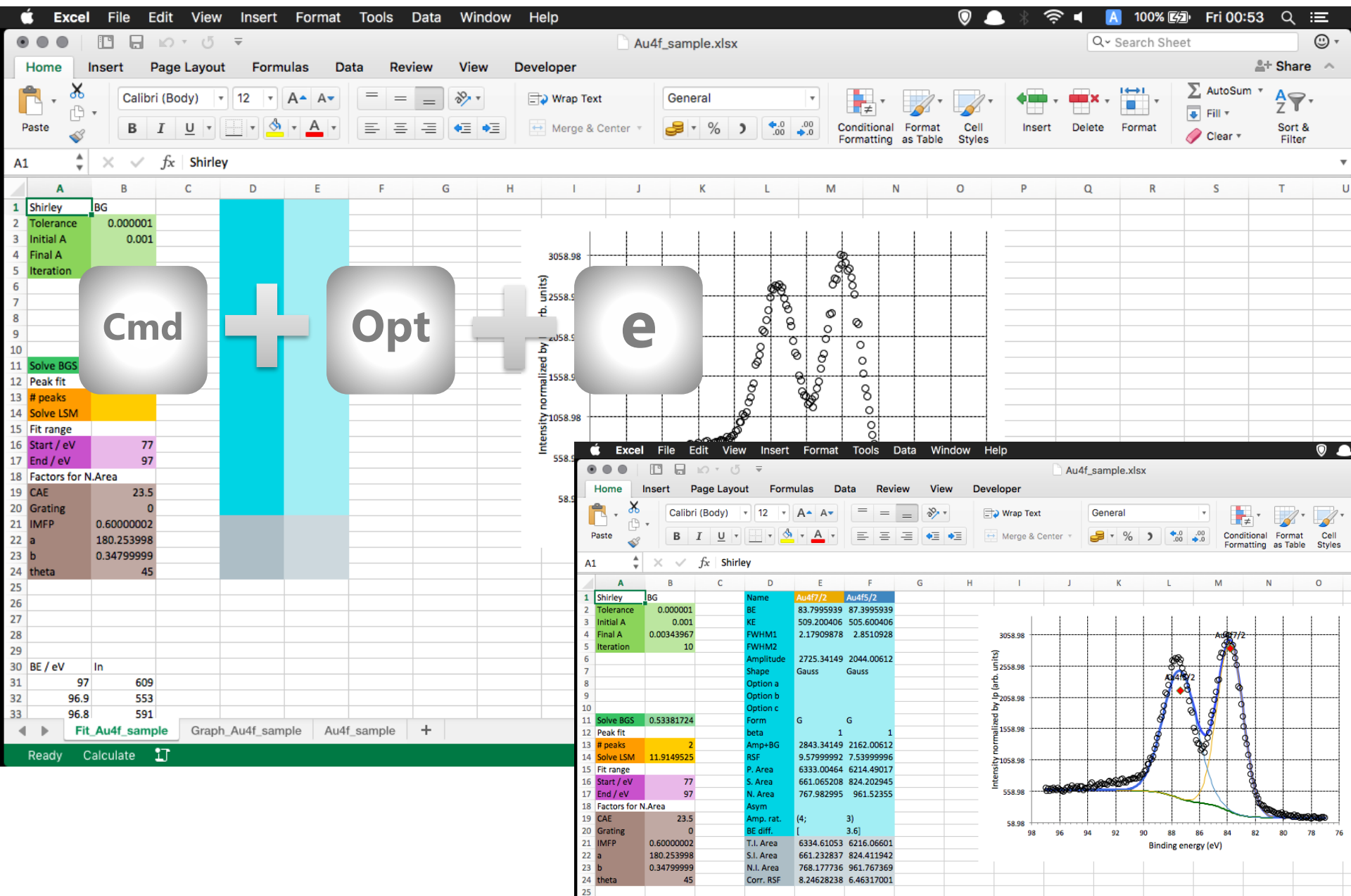
- Manual input mode**: A text input field containing "600" and buttons for "Cancel" and "OK".
- Input atomic elements**: A text input field containing "Au" and buttons for "Cancel" and "OK".

An inset window shows the Excel spreadsheet with a table of parameters and two graphs:

PE	WF	Chr	Start KE	End KE	Step KE	# scan	Offset/multi	Ke	Be	In	
600 eV	4 eV	0 eV	496 eV	516 eV	0.1 eV	1	0	496	100	609	
496.1	99.9	553	496.2	99.8	591	496.3	99.7	554	496.4	99.6	589
496.5	99.5	576	496.6	99.4	602	496.7	99.3	587	496.8	99.2	576
496.9	99.1	608	497	99	584	497.1	98.9	566	497.2	98.8	555
497.3	98.7	543	497.4	98.6	576	497.5	98.5	606	497.6	98.4	614
497.7	98.3	575	497.8	98.2	593	497.9	98.1	641	498	98	602
498.1	97.9	598	498.2	97.8	611	498.3	97.7	635	498.4	97.6	586
498.5	97.5	632	498.6	97.4	628	498.7	97.3	567	498.8	97.2	606
498.9	97.1	641	499	97	604	499.1	96.9	624			

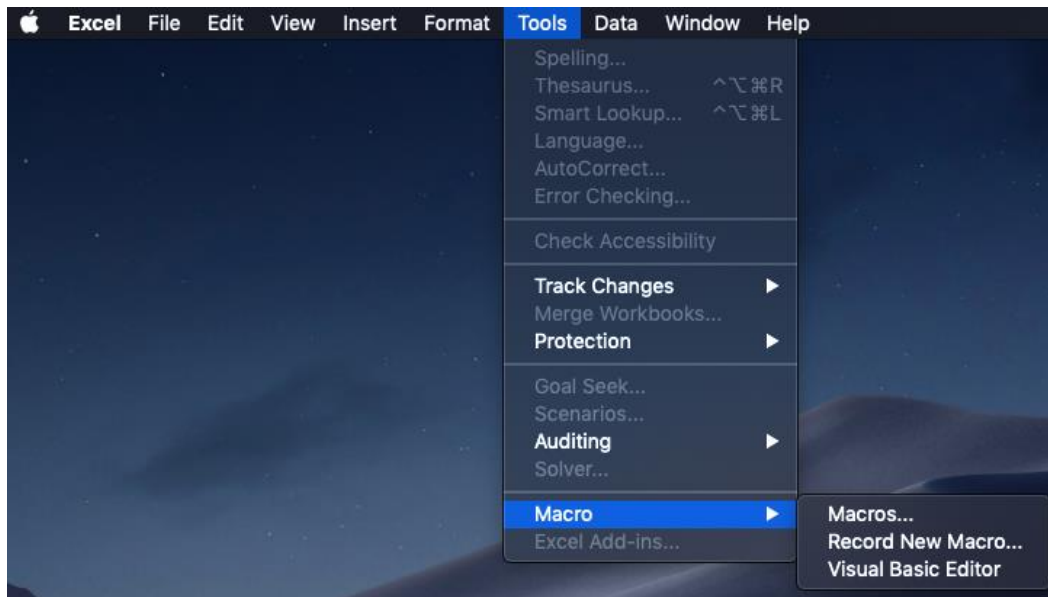
The graphs show Intensity (arb. units) vs Binding energy (eV). The top graph is a blue line with peaks labeled Au4f5/2 and Au4f7/2. The bottom graph is an orange line with peaks labeled Au4f5/2 and Au4f7/2.

Select the worksheet "Fit_filename" and use shortcut key.



Batch processing

- Excel Mac has no blank window available, then batch processing mode cannot be performed.
- However, Menu bar - Tools - Macro - Macros ... - debugAll to run batching mode without opening any text files or workbooks in **MyExcelFolder**.



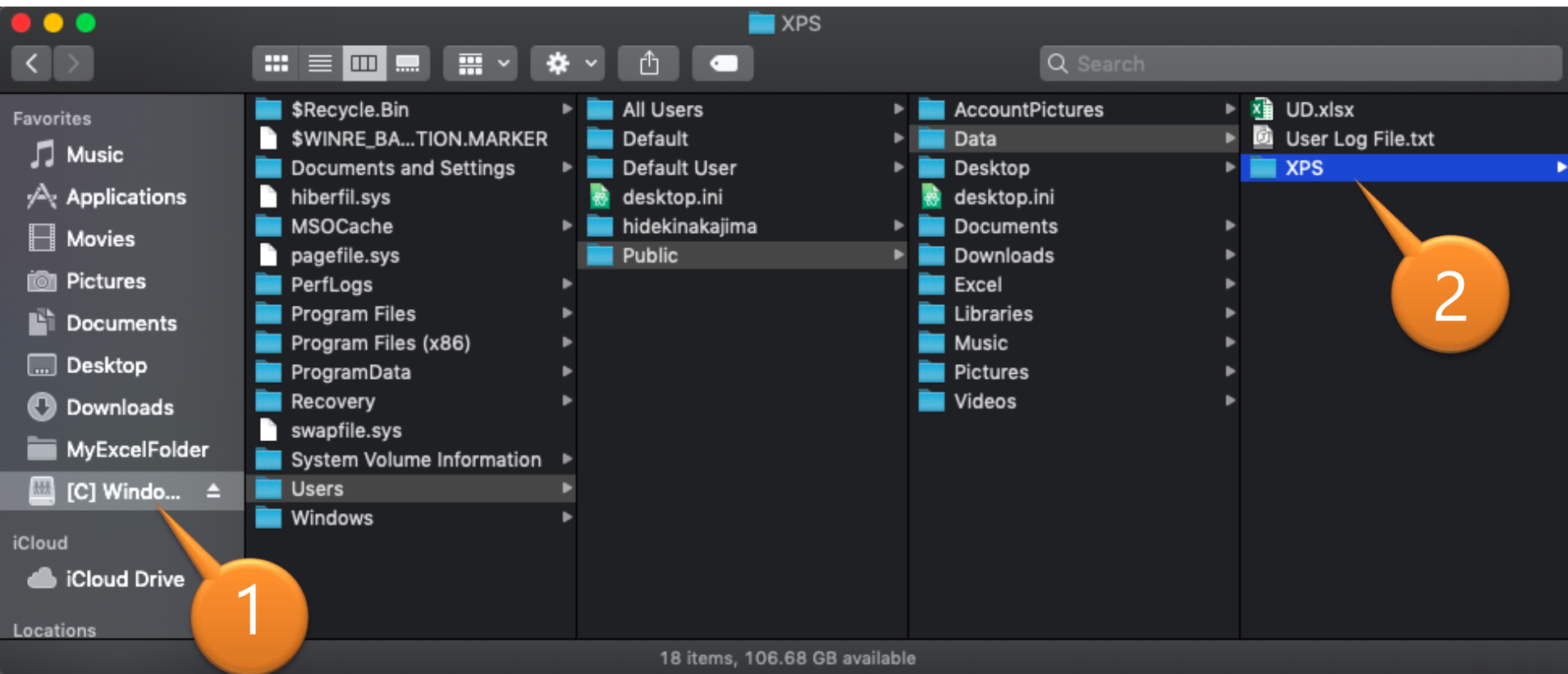
Virtual machine environment on macosx

EXCEL ON PARALLEL DESKTOP

Installation is the same as that used in the Windows Excel.

except

Database files under the folder "C:\Users\Public\Data\XPS\
It is important to find the Public folder under the [C] drive.



Then, the database location should be changed to `direc = "C:\Users\Public\Data\XPS\`

Sub CLAM2 ()

ver = "8.42a" ' Version of this code.

If Application.OperatingSystem Like "*Mac*" Then

backSlash = "/"

Else

backSlash = "\"

End If

If backSlash = "/" Then ' location of directory for database

direc = "Library" + backSlash + "Group Containers" + backSlash + "UBF8T346G9.Office" + backSlash + "MyExcelFolder" + backSlash + "XPS" + backSlash

' mac: note "apple" should be replaced with your <username>.

'direc = backSlash + "Users" + backSlash + "hidekinakajima" + backSlash + "Library" + backSlash + "Group Containers" + backSlash + "UBF8T346G9.Office"

'direc = backSlash + "Users" + backSlash + "apple" + backSlash + "Documents" + backSlash + "XPS" + backSlash

Else ' Windows

'direc = "D:\Excel_XPS_macro\DATA\hideki\XPS\" ' this is for Windows PC with HDD storage.

'direc = "C:" + backSlash + "Users" + backSlash + "Public" + backSlash + "Data" + backSlash + "XPS" + backSlash ' this is for BOOTCAMP on MacBookAir.

'direc = "G:" + backSlash + "Data" + backSlash + "Hideki" + backSlash + "XPS" + backSlash ' test

End If

1

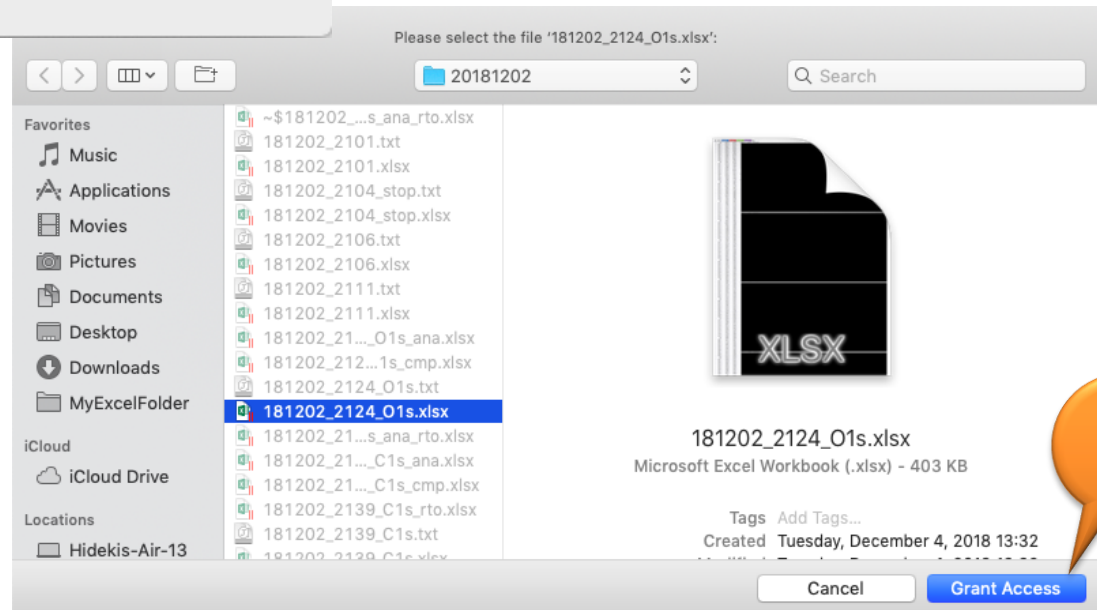
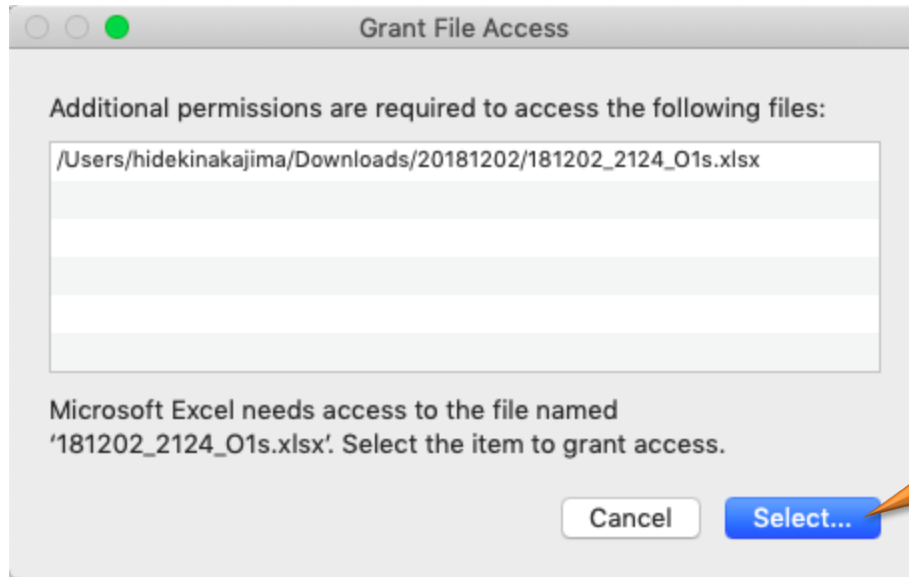
2

Save PERSONAL.XLSB

If you want to analyze the data outside MyExcelFolder

FILE ACCESS ISSUE

You need to grant file access every first access to the file.



References

- Multiple-file access granted on mac
 - <https://msdn.microsoft.com/en-us/library/office/mt654020.aspx>
 - <https://warwick.ac.uk/fac/sci/systemsbiology/staff/dyer/software/excelvbafileopen/>
- Excel 2016 on Mac updater packages
 - <https://macadmins.software/>
- Excel 2016 on Mac solutions
 - <https://www.rondebruin.nl/mac/mac015.htm>
 - <http://www.rondebruin.nl/mac/mac034.htm>