How to install Excel XPS macro on macOS Excel 2016

https://youtu.be/geoulV1kGx8

hideki

Ver. 8.42

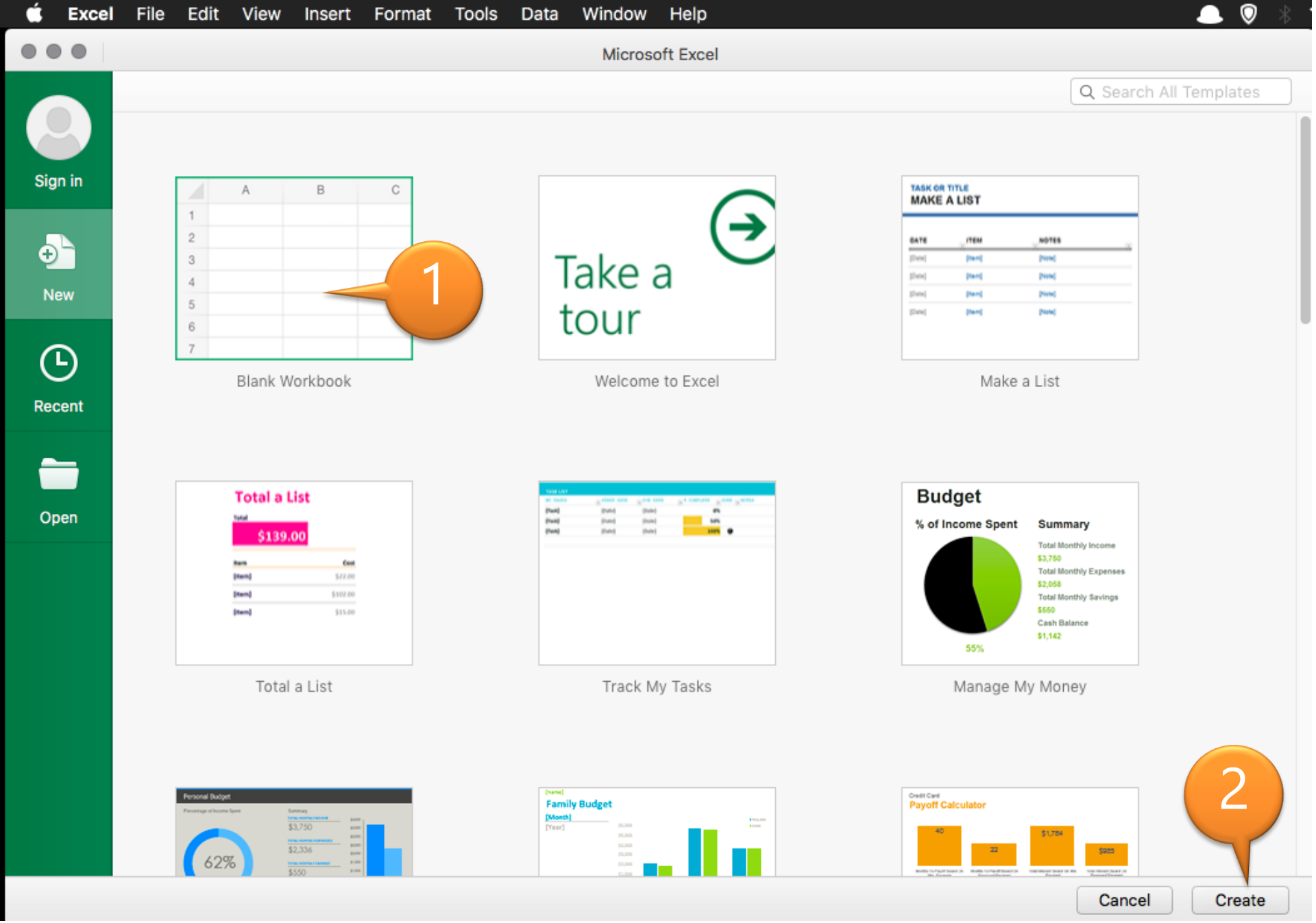
Ed 1st. 9 Jun. 2017 for Ver. 8.28

Rev. 7 Jun. 2019

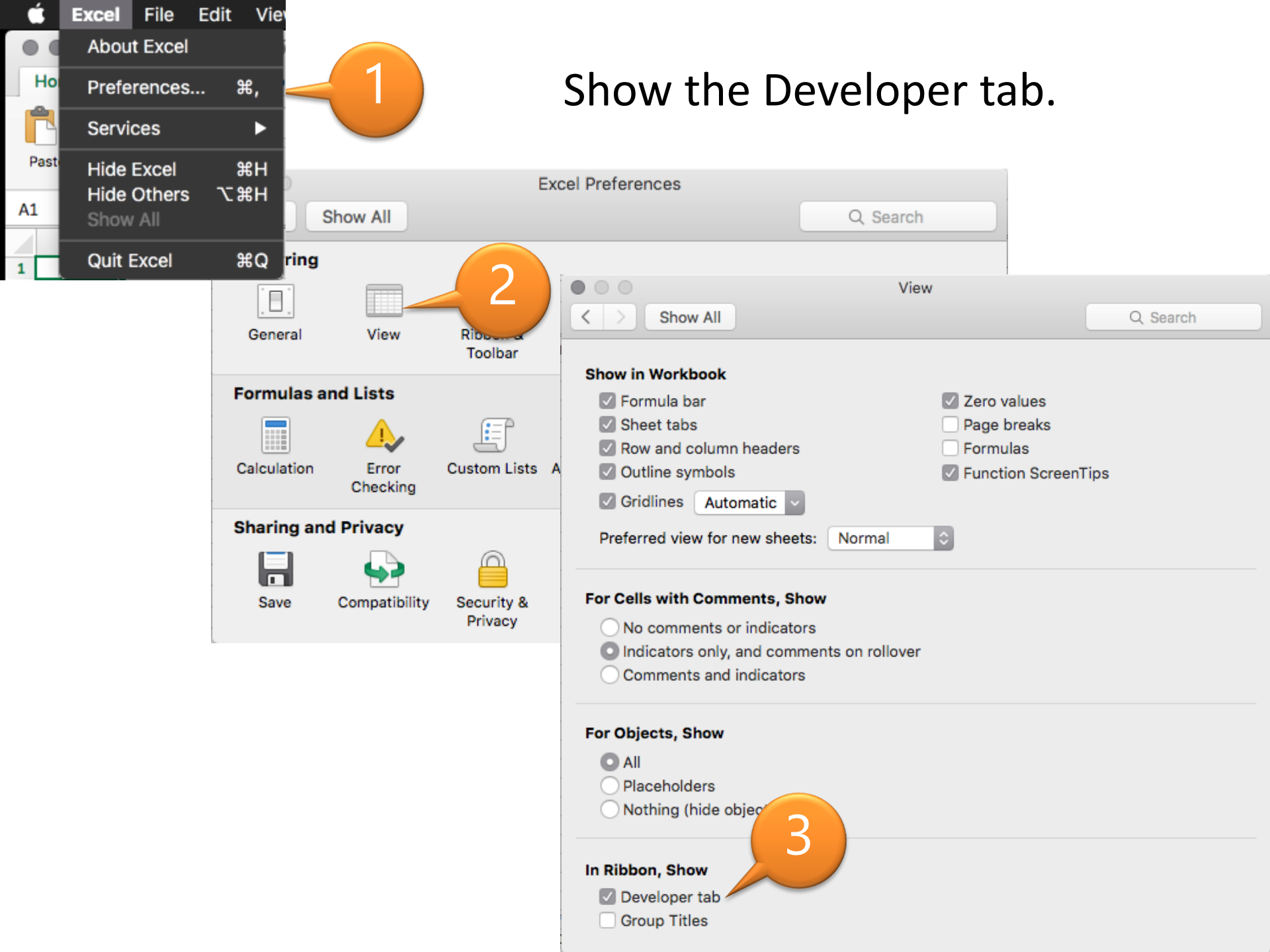
Installation of macro on macOS

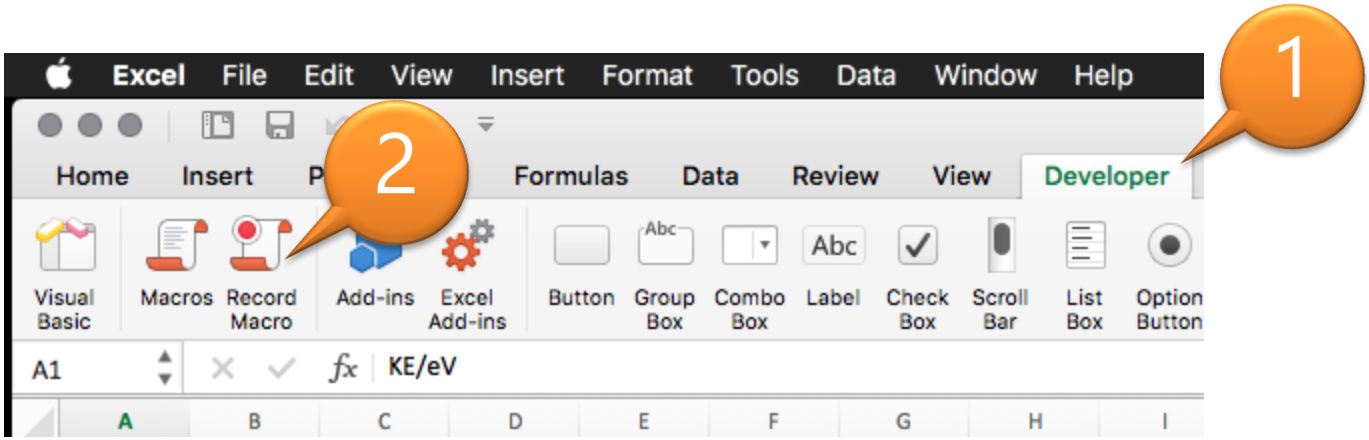
- The process is the same as that in Windows version except making the database folder.
  - Personal macro workbook
  - Solver add-in and reference in VBE
  - Shortcut key for cmd + opt + “e”
  - Database folder in working space “MyExcelFolder”

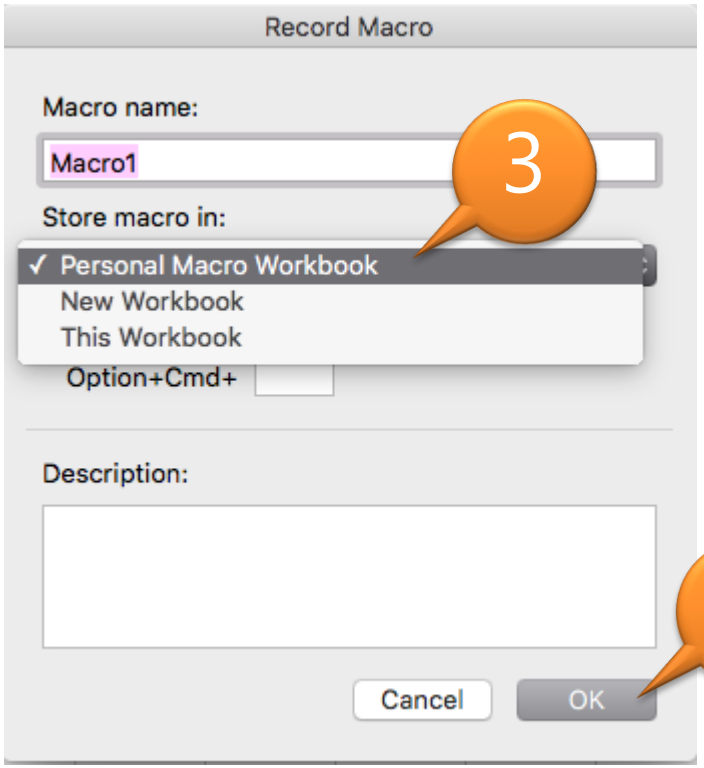
The code does not work perfectly yet on macOS.


Excel File Edit View Insert Format Tools Data Window Help
Microsoft Excel
Search All Templates
Sign in
New
Recent
Open
A B C
1
2
3
4
5
6
7
1
Blank Workbook
Take a tour
Welcome to Excel
TASK OR TITLE
MAKE A LIST
DATE ITEM NOTES
Make a List
Total a List
$139.00
Total a List
Track My Tasks
Budget
% of Income Spent
Summary
Total Monthly Income
$3,750
Total Monthly Expenses
$2,058
Total Monthly Savings
$550
Cash Balance
$1,142
55%
Manage My Money
Personal Budget
62%
$3,750
$2,336
$550
Family Budget
[Month]
[Year]
Credit Card
Payoff Calculator
40
22
$1,784
$355
2
Cancel
Create

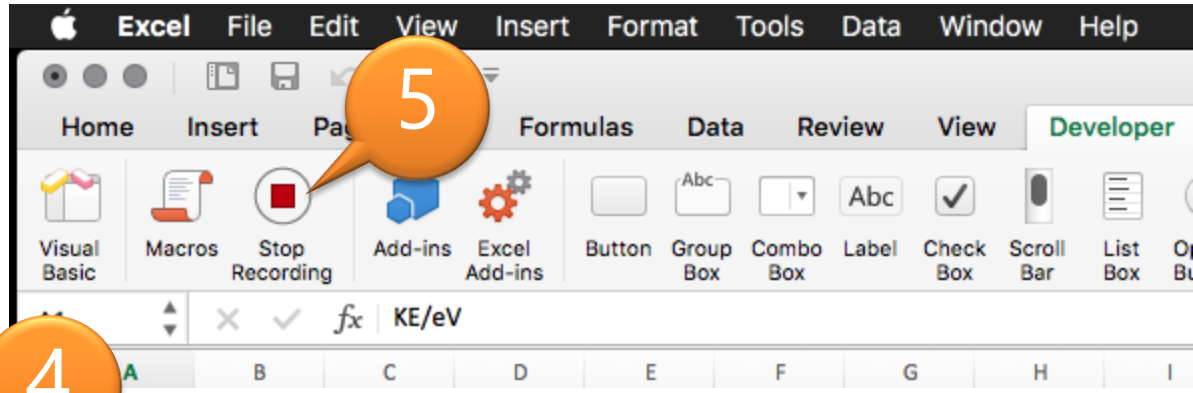
Show the Developer tab.

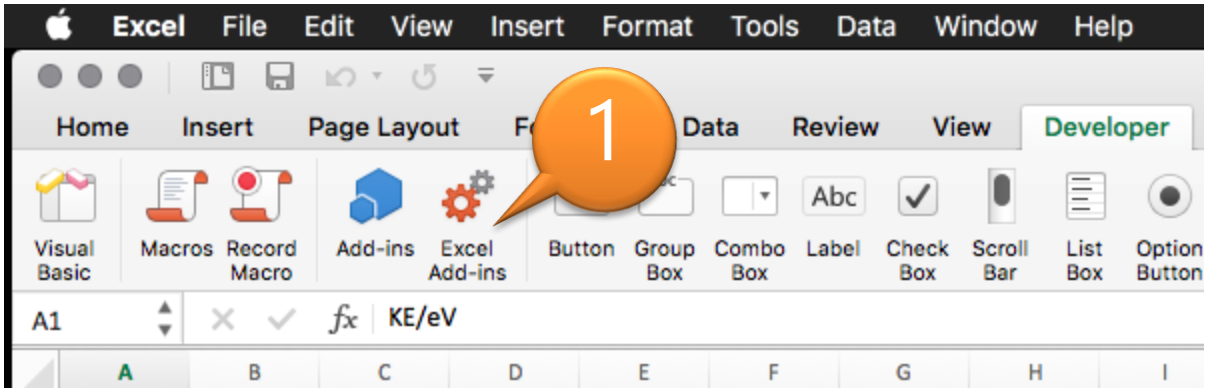


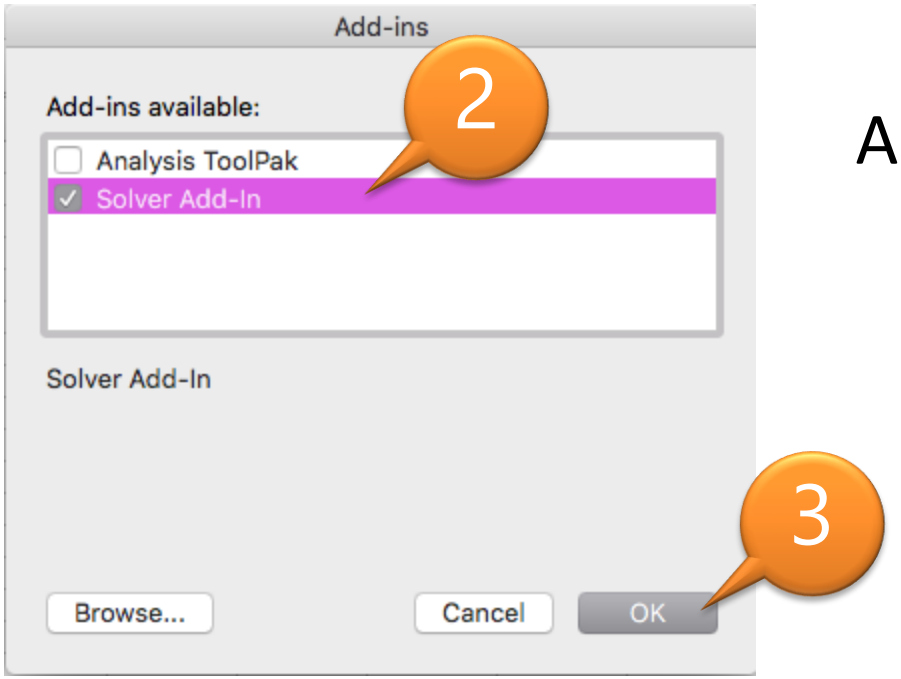




Create the personal macro workbook

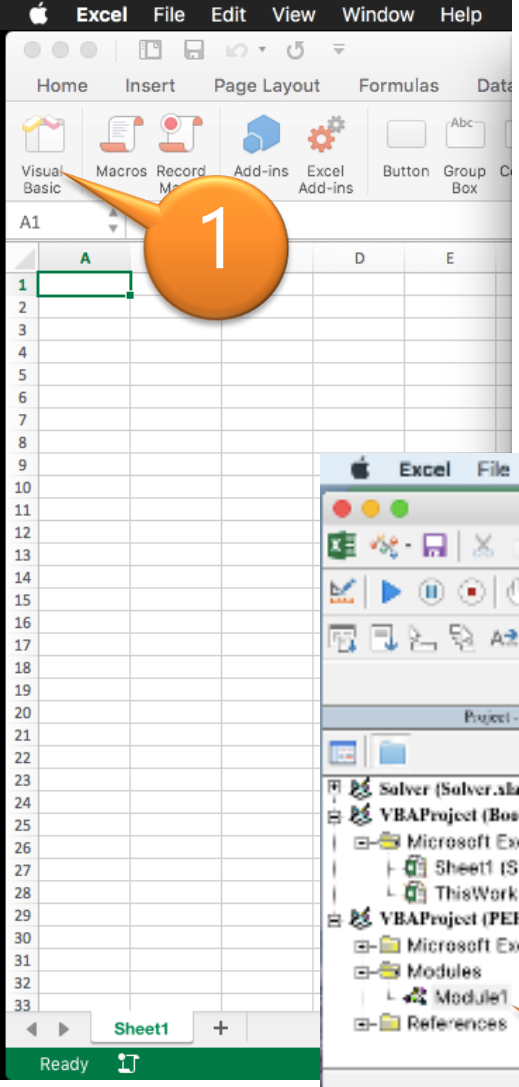


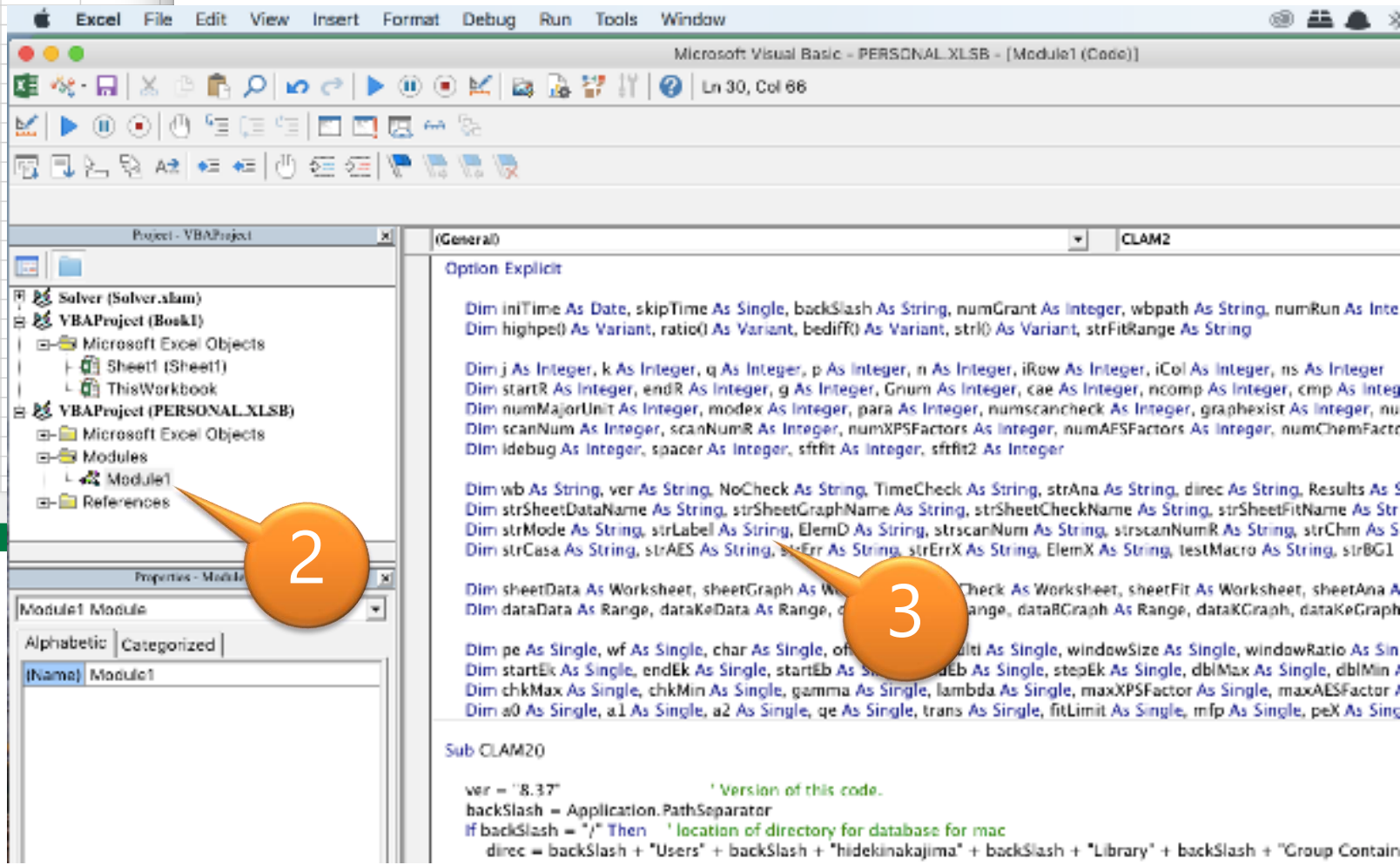




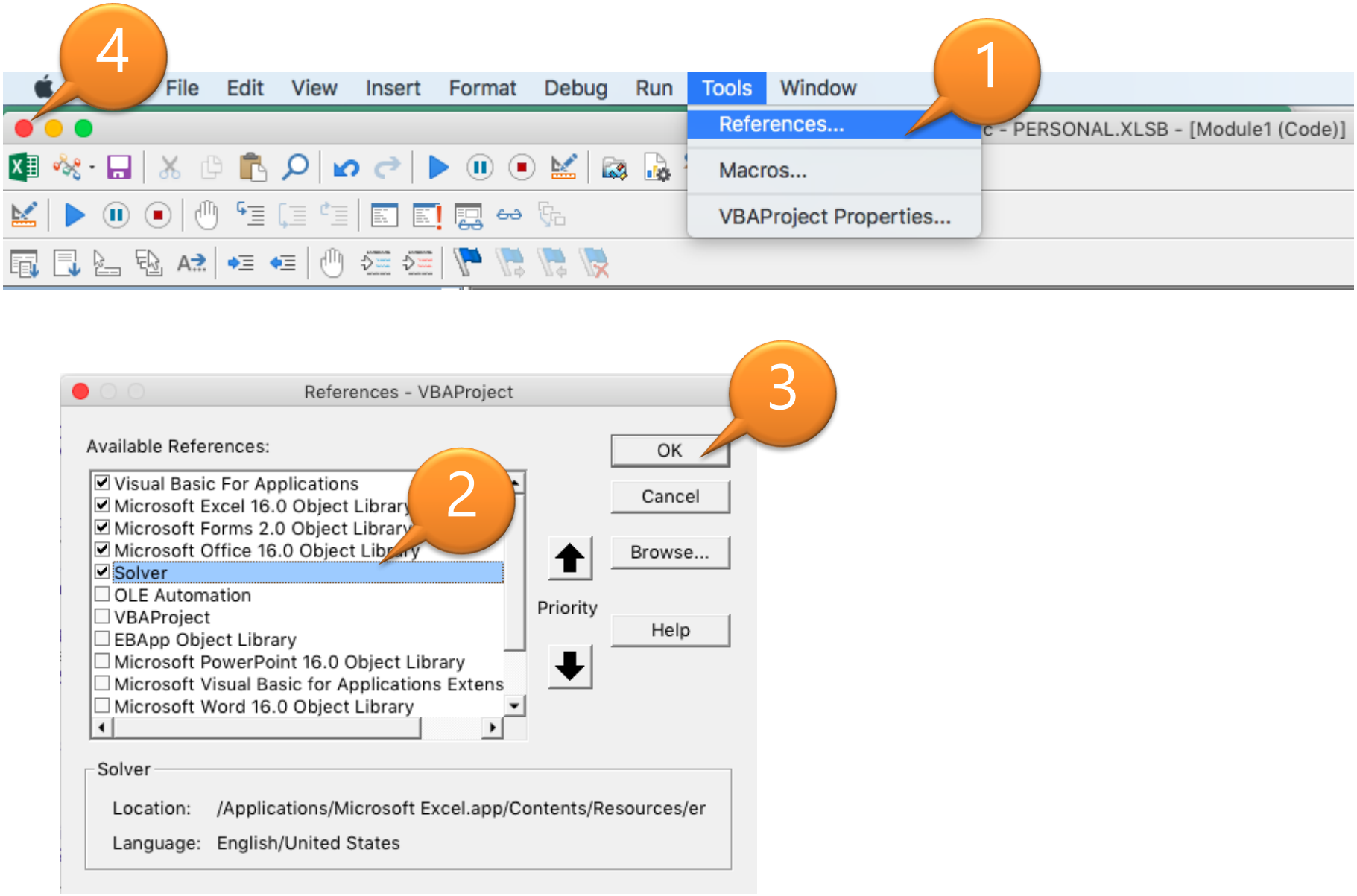
Activate the Solver Add-In

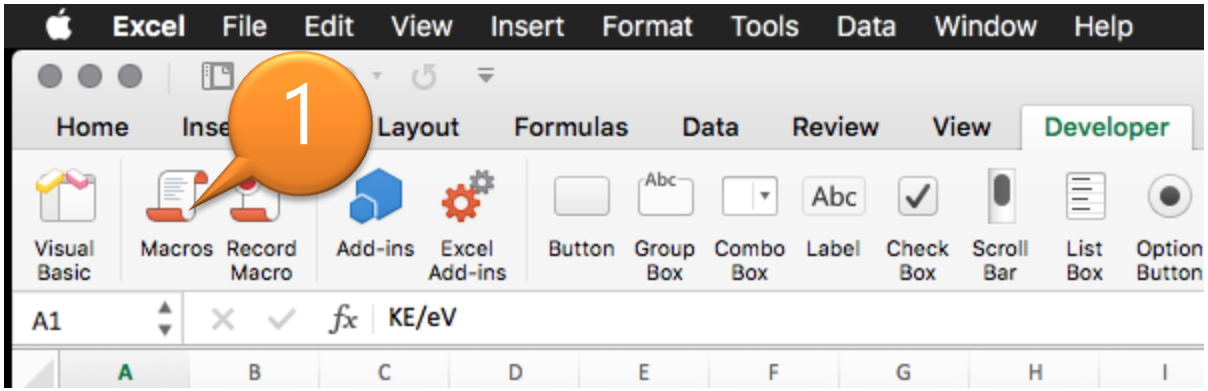
Install the VBA code in the following way;
Switch Visual Basic Editor mode, double-click to open VBAProject (PERSONAL.XLSB)– Module - Module1, and paste the code from LoadCLAMvXXX_std.vb opened with test editor.



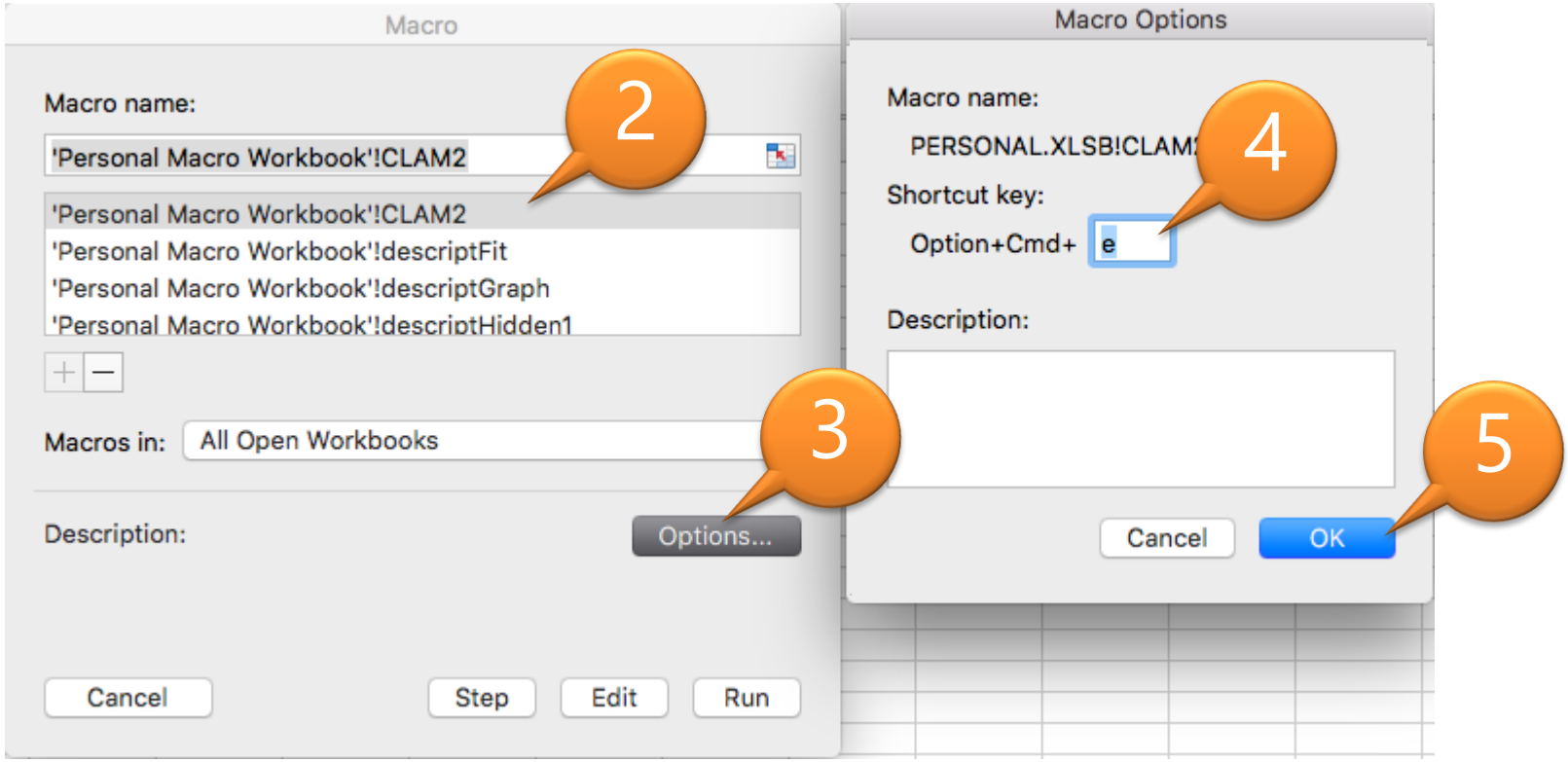


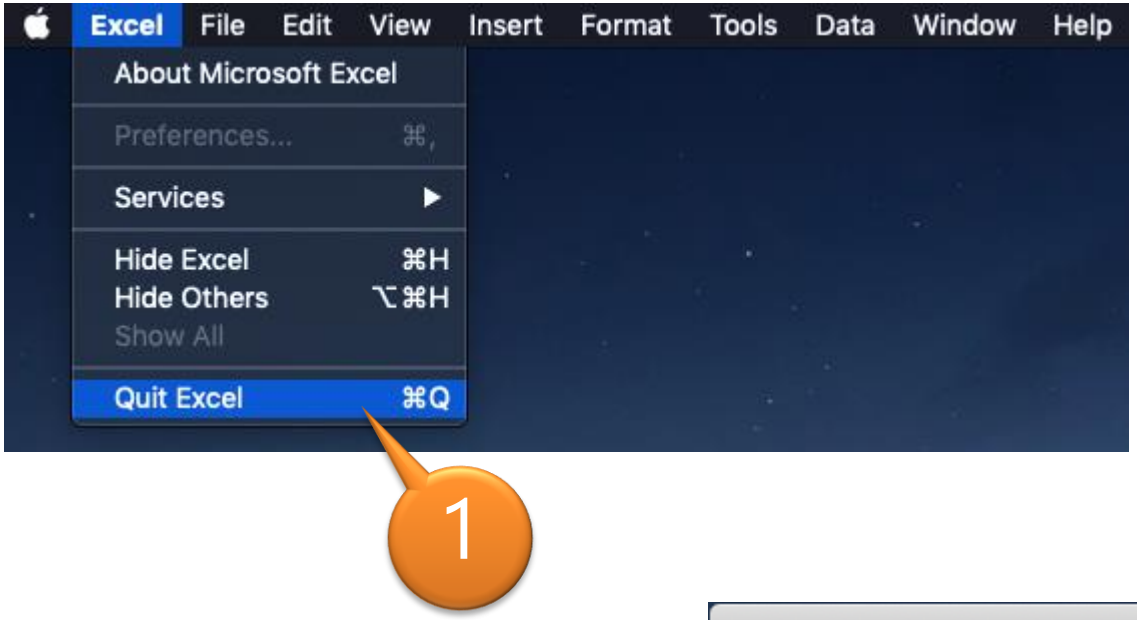
Activate Solver library from menu accessible in the Visual Basic Editor mode.

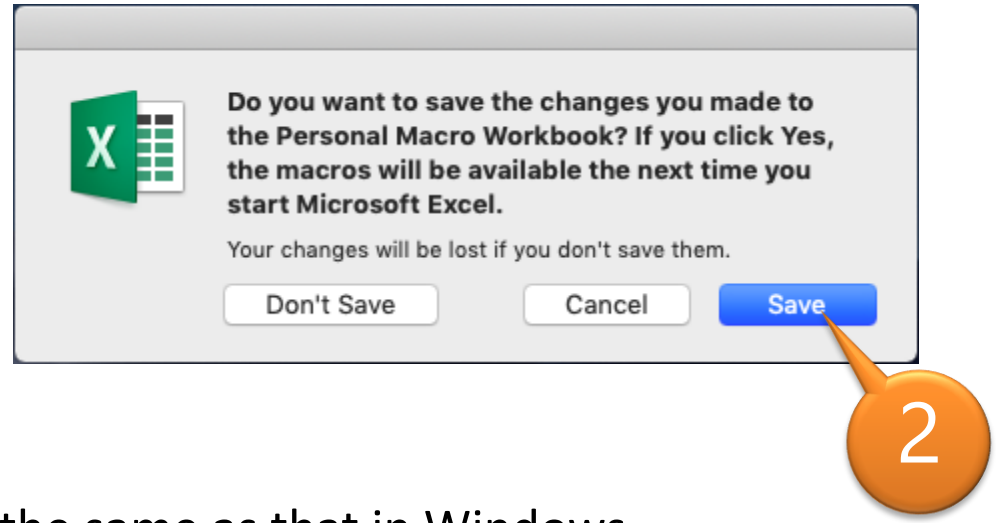




Assign the shortcut key “e”

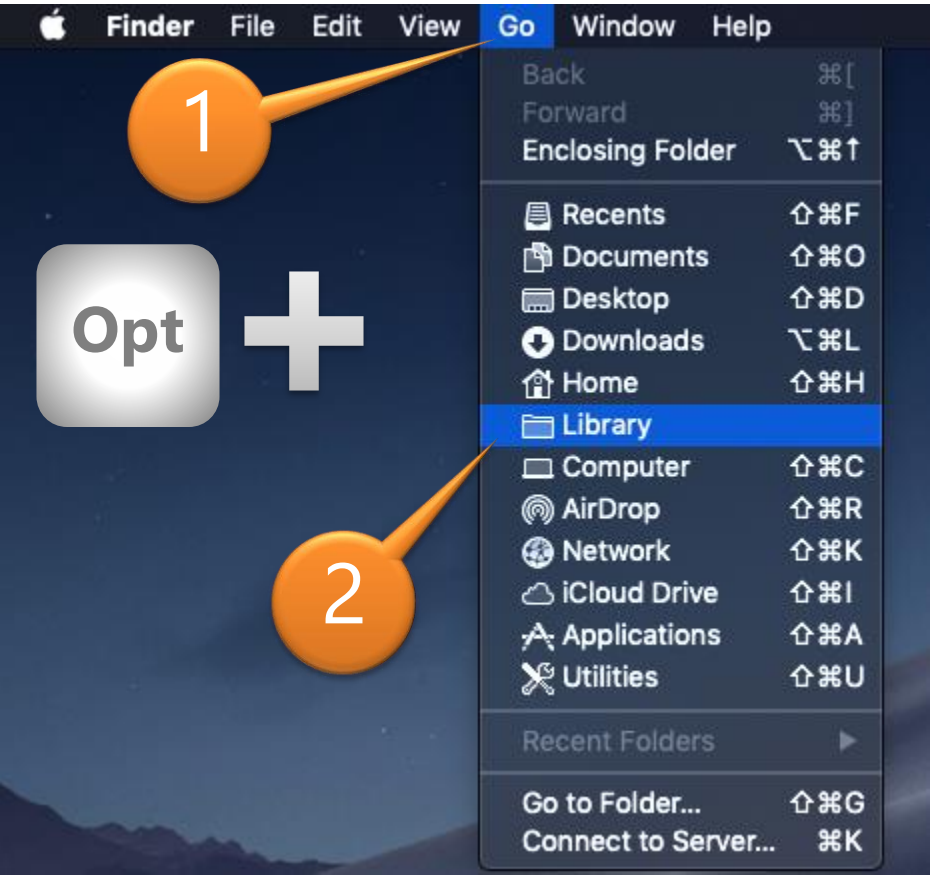






So far, the procedure is the same as that in Windows.
Next slide shows how to create the folder for database on mac.

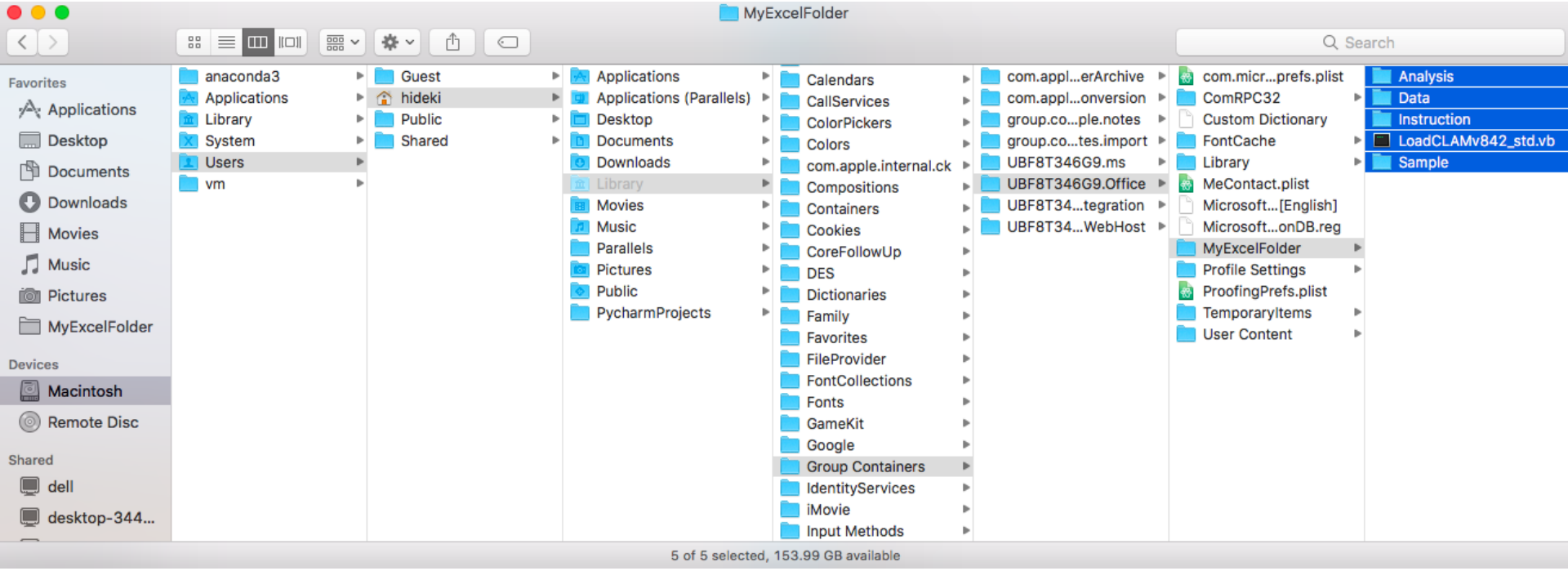
1. Open a Finder Window
2. Hold the **Alt (Option)** key when you press on **Go** in the Finder menu bar
3. Click on **Library**
4. Open the **Group Containers** folder
5. Open the **UBF8T346G9.Office** folder
6. Create a Folder inside this folder named ***MyExcelFolder*** for example
7. Select this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



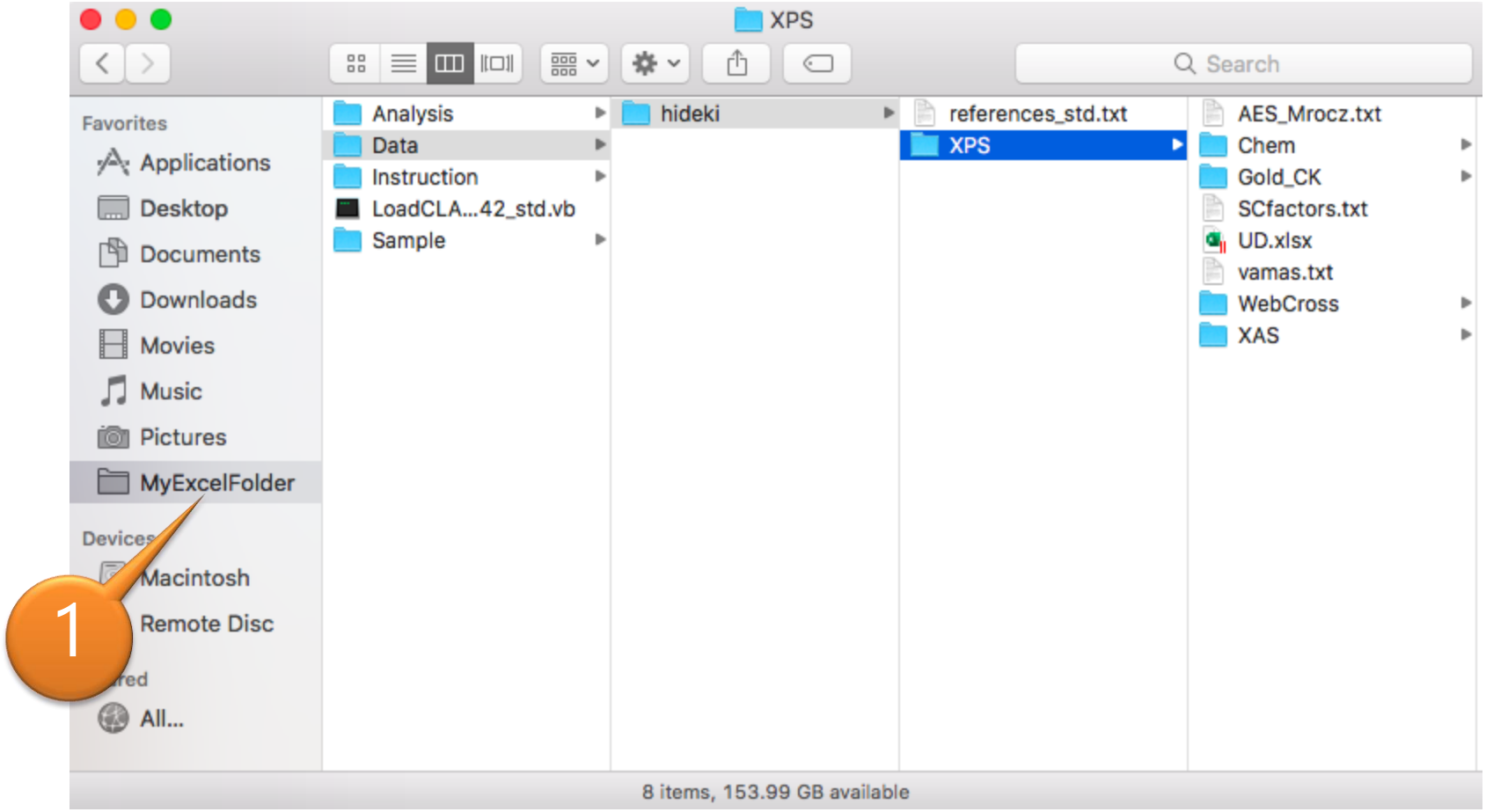
Library folder can be accessed from Go with Option key, otherwise no Library menu appears as shown in Fig.

https://www.rondebruin.nl/mac/mac034.htm

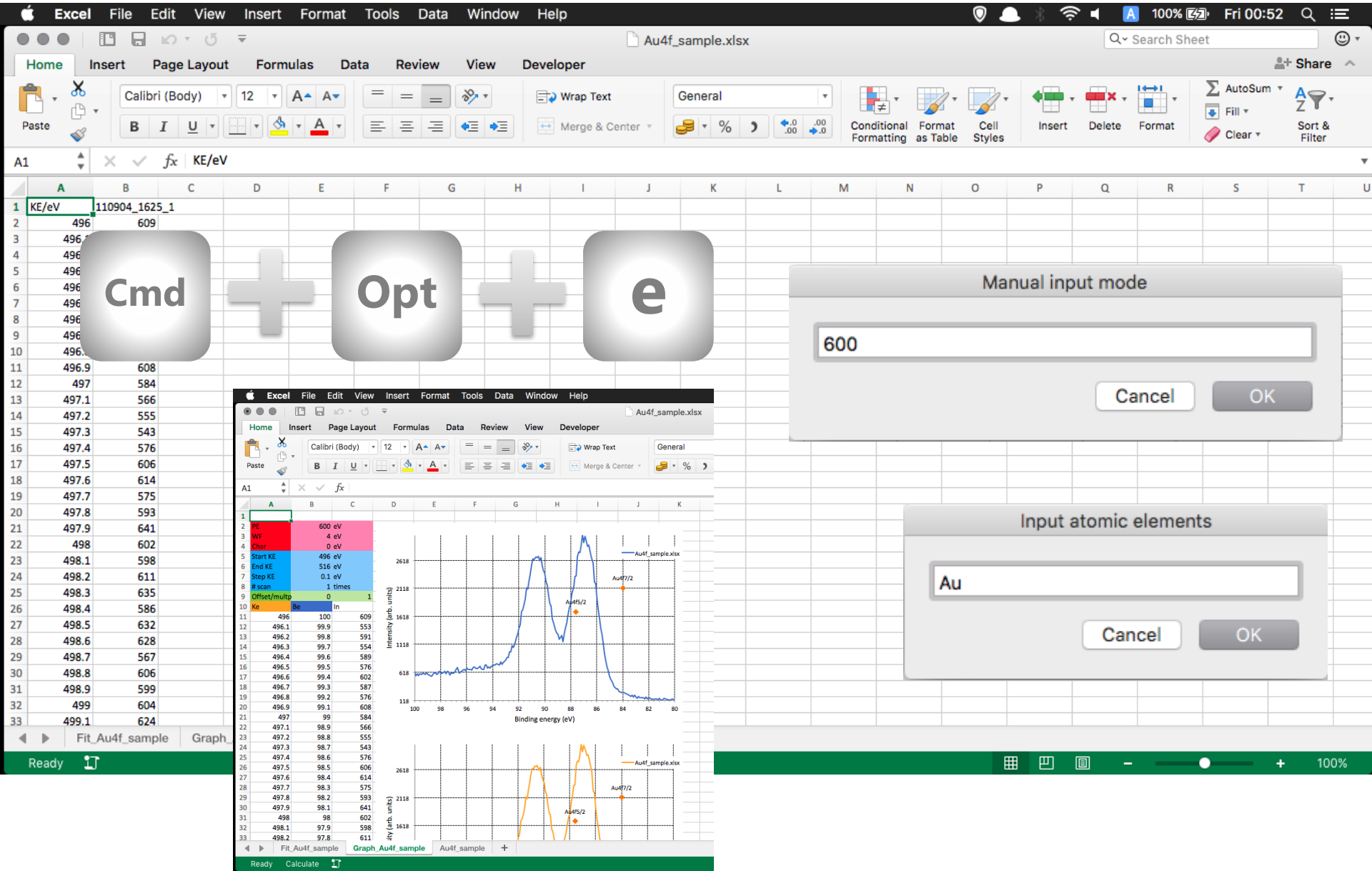
All unzip files and folders should be placed in Library/Group Containers/UBF8T346G9.Office/*MyExcelFolder/*



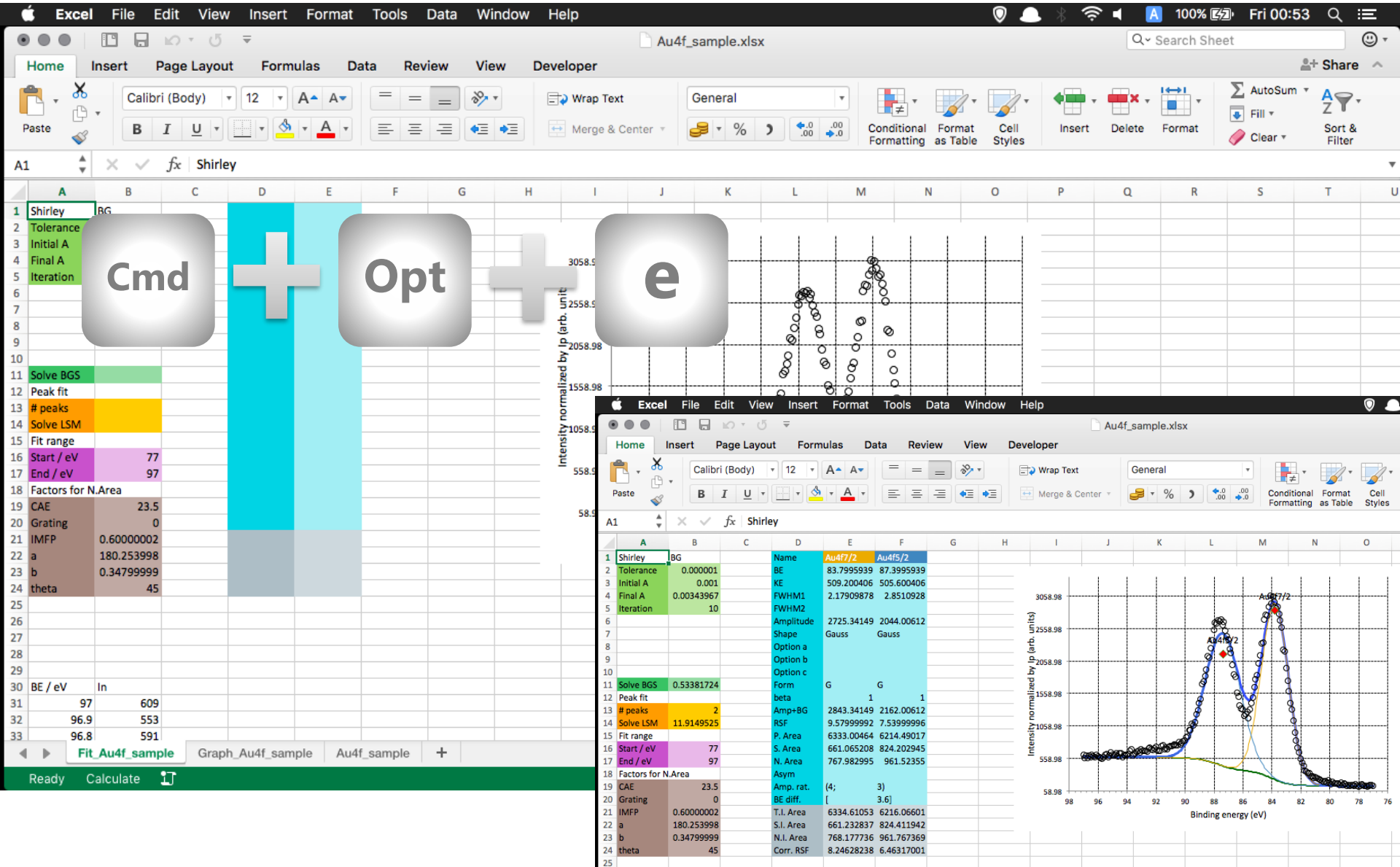
Drag & drop ***MyExcelFolder*** into Favorites for next access.



Open the sample file with Excel and use shortcut key.

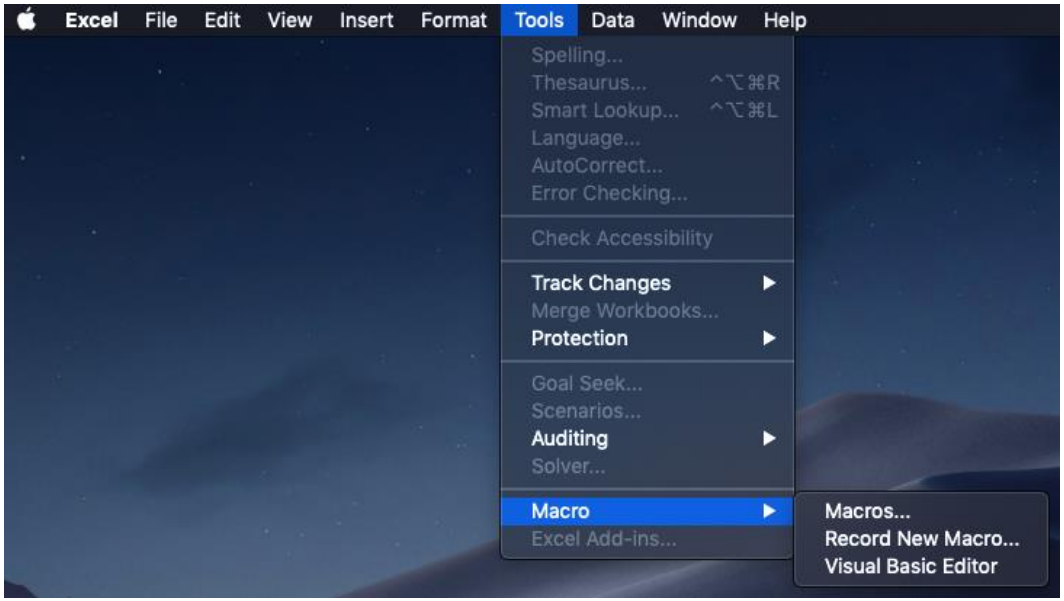


Select the worksheet “Fit_filename” and use shortcut key.



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**.



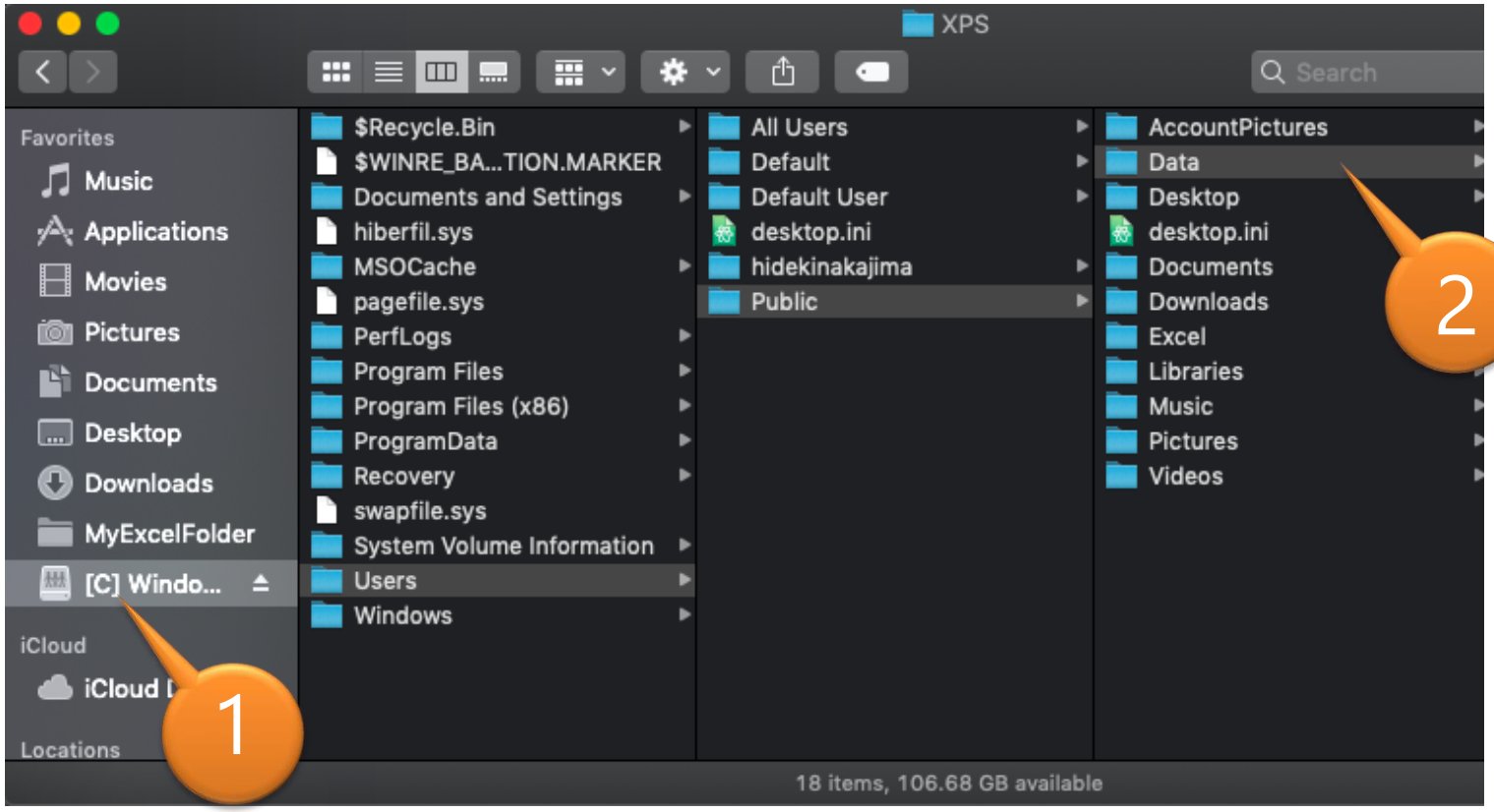
Virtual machine environment on macOS

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\hideki\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\hideki\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 + "Data" + backSlash + "hideki
        ' mac:  note "apple" should be replaced with your <username>.
        'direc = backSlash + "Users" + backSlash + "hidekinakajima" + backSlash + "Library" + backSlash + "Group Containers" + backSlash + "UBF8T346G9.Office" + back
        '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 + "hideki" + backSlash + "XPS" + backSlash ' this is for BOOTCAMP
        'direc = "G:" + backSlash + "Data" + backSlash + "Hideki" + backSlash + "XPS" + backSlash ' test
    End If
```

1

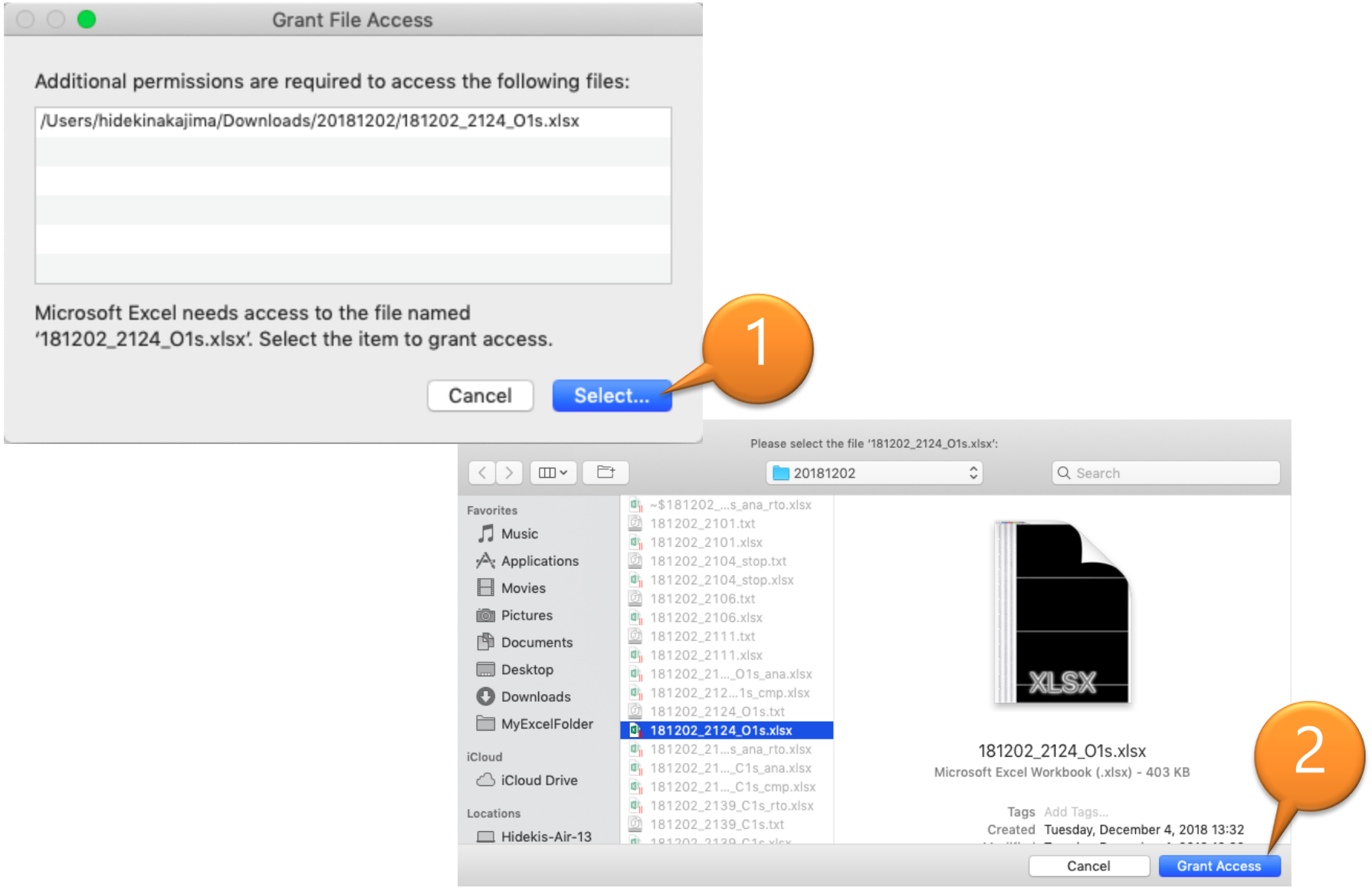
2

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