How to install Excel XPS macro on the Mac Excel 2016

hideki

Ver. 8.37

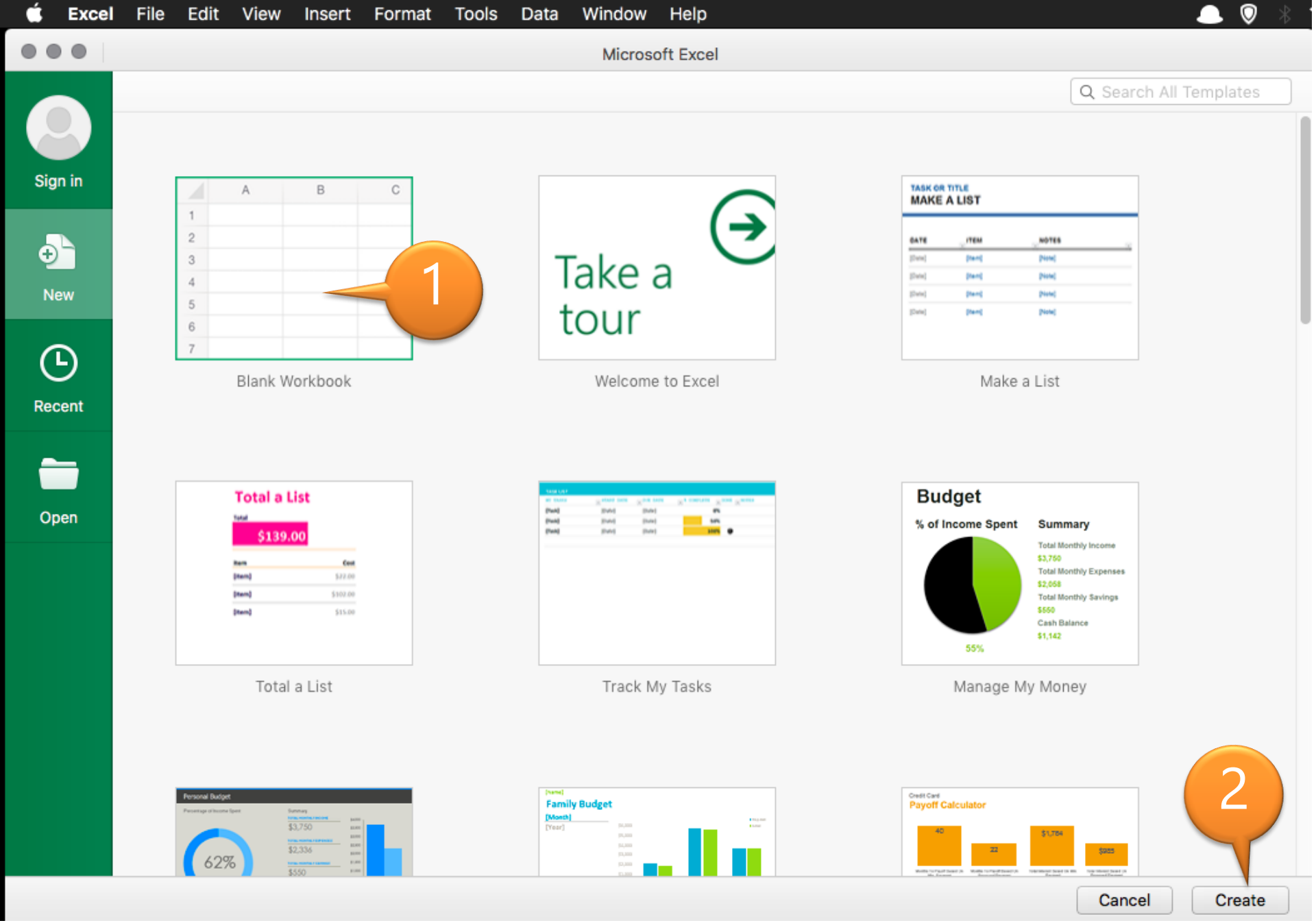
1st. 9 Jun. 2017 for Ver. 8.28

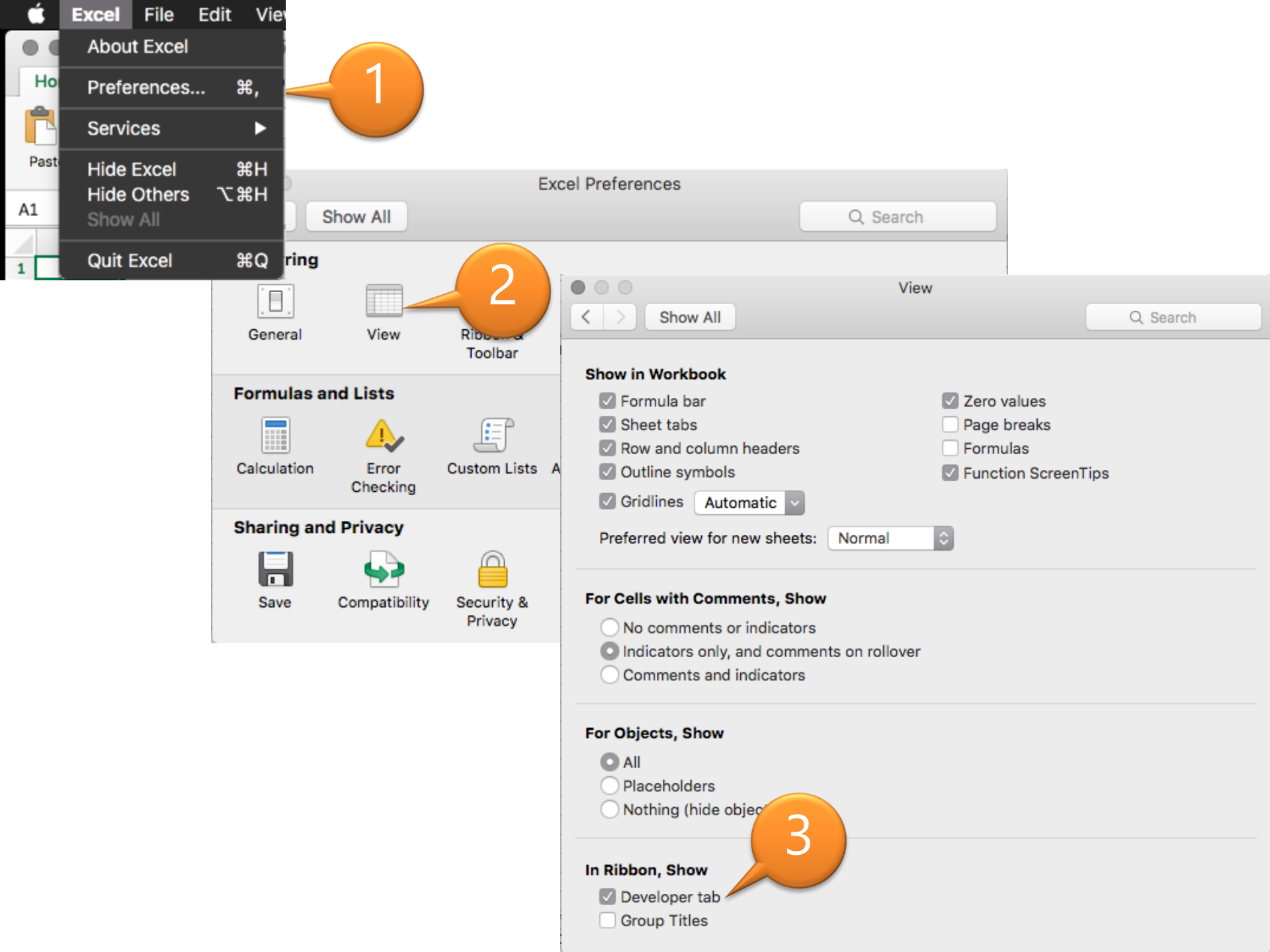
Rev. 25 Sep. 2018

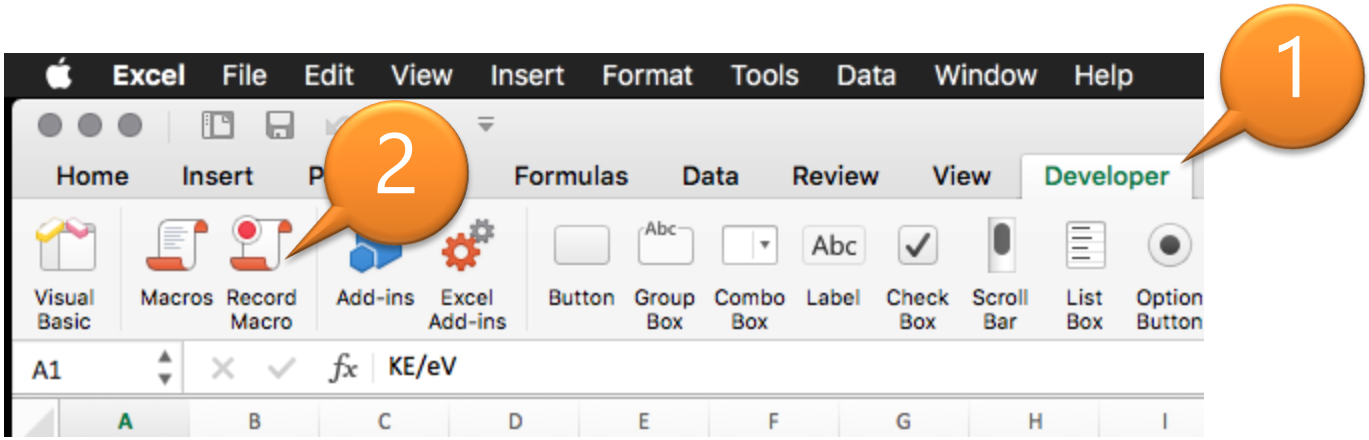
Installation of macro on Mac

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

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


Excel File Edit View Insert Format Tools Data Window Help
Microsoft Excel
Search All Templates
Sign in
New
Recent
Open
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%
Family Budget
[Month]
[Year]
Credit Card
Payoff Calculator
2
Cancel
Create


Excel
File
Edit
About Excel
Preferences... ⌘,
Services
Hide Excel ⌘H
Hide Others ⌥⌘H
Show All
Quit Excel ⌘Q
1
Excel Preferences
Show All
Search
General
View
Toolbar
2
Formulas and Lists
Calculation
Error Checking
Custom Lists
Sharing and Privacy
Save
Compatibility
Security & Privacy
View
Show All
Search
Show in Workbook
Formula bar
Sheet tabs
Row and column headers
Outline symbols
Gridlines
Automatic
Zero values
Page breaks
Formulas
Function ScreenTips
Preferred view for new sheets:
Normal
For Cells with Comments, Show
No comments or indicators
Indicators only, and comments on rollover
Comments and indicators
For Objects, Show
All
Placeholders
Nothing (hide objec
3
In Ribbon, Show
Developer tab
Group Titles


Excel File Edit View Insert Format Tools Data Window Help
Home Insert P Formulas Data Review View Developer
Visual Basic
Macros
Record Macro
Add-ins
Excel Add-ins
Button
Group Box
Combo Box
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Scroll Bar
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Option Button
A1
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A B C D E F G H I
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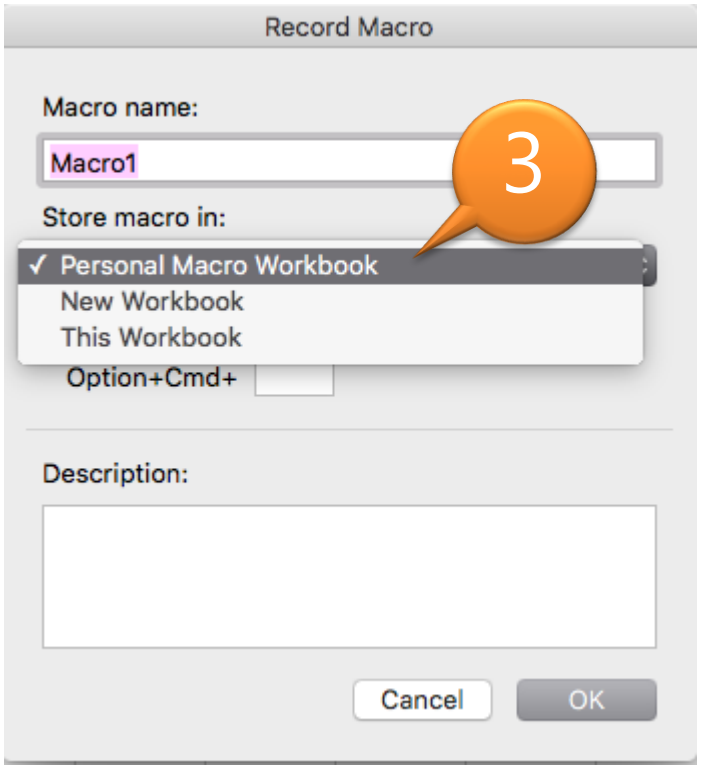
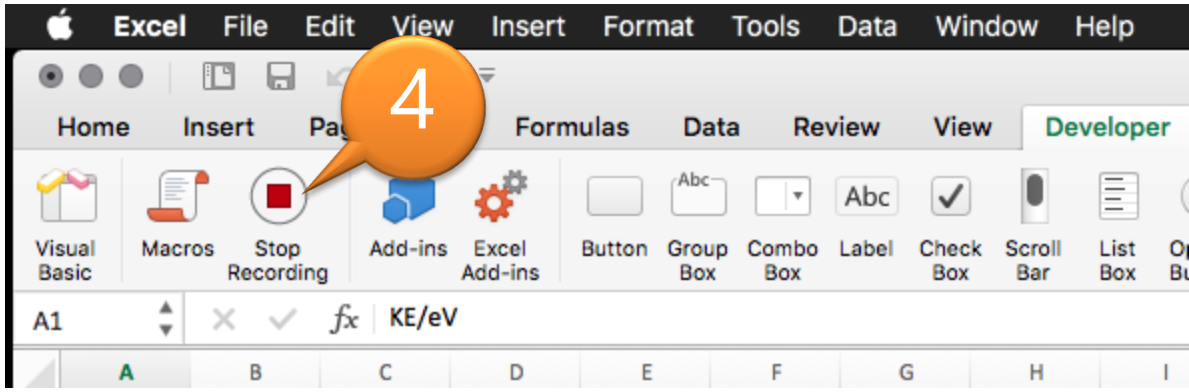

Record Macro
Macro name:
Macro1
Store macro in:
Personal Macro Workbook
New Workbook
This Workbook
Option+Cmd+
Description:
Cancel
OK
3


Excel File Edit View Insert Format Tools Data Window Help
Home Insert Pa Formulas Data Review View Developer
Visual Basic
Macros
Stop Recording
Add-ins
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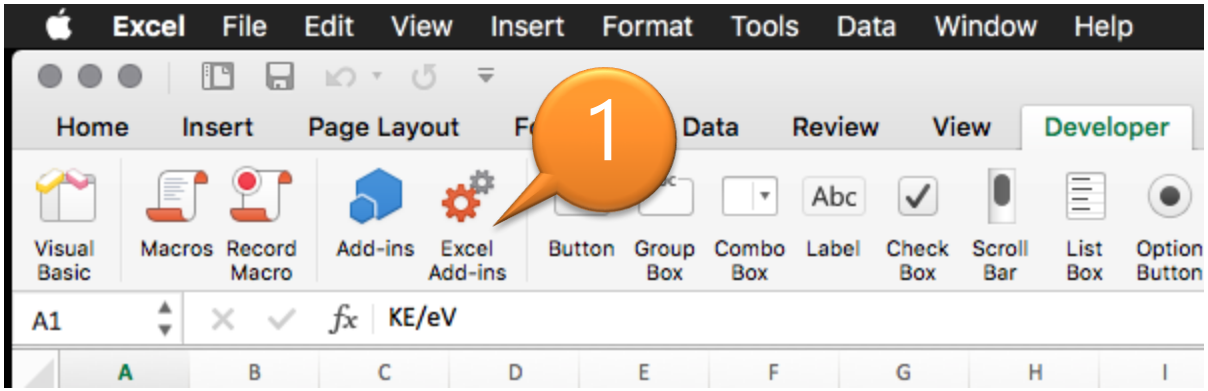
Excel File Edit View Insert Format Tools Data Window Help
Home Insert Page Layout Data Review View Developer
1
Visual Basic
Macros
Record Macro
Add-ins
Excel Add-ins
Button
Group Box
Combo Box
Label
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Scroll Bar
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A1
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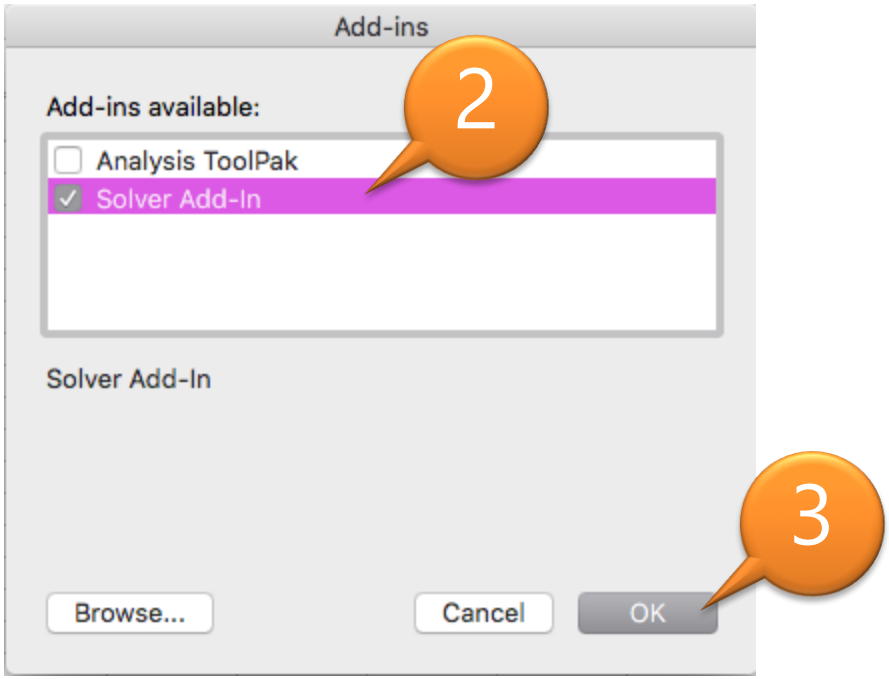
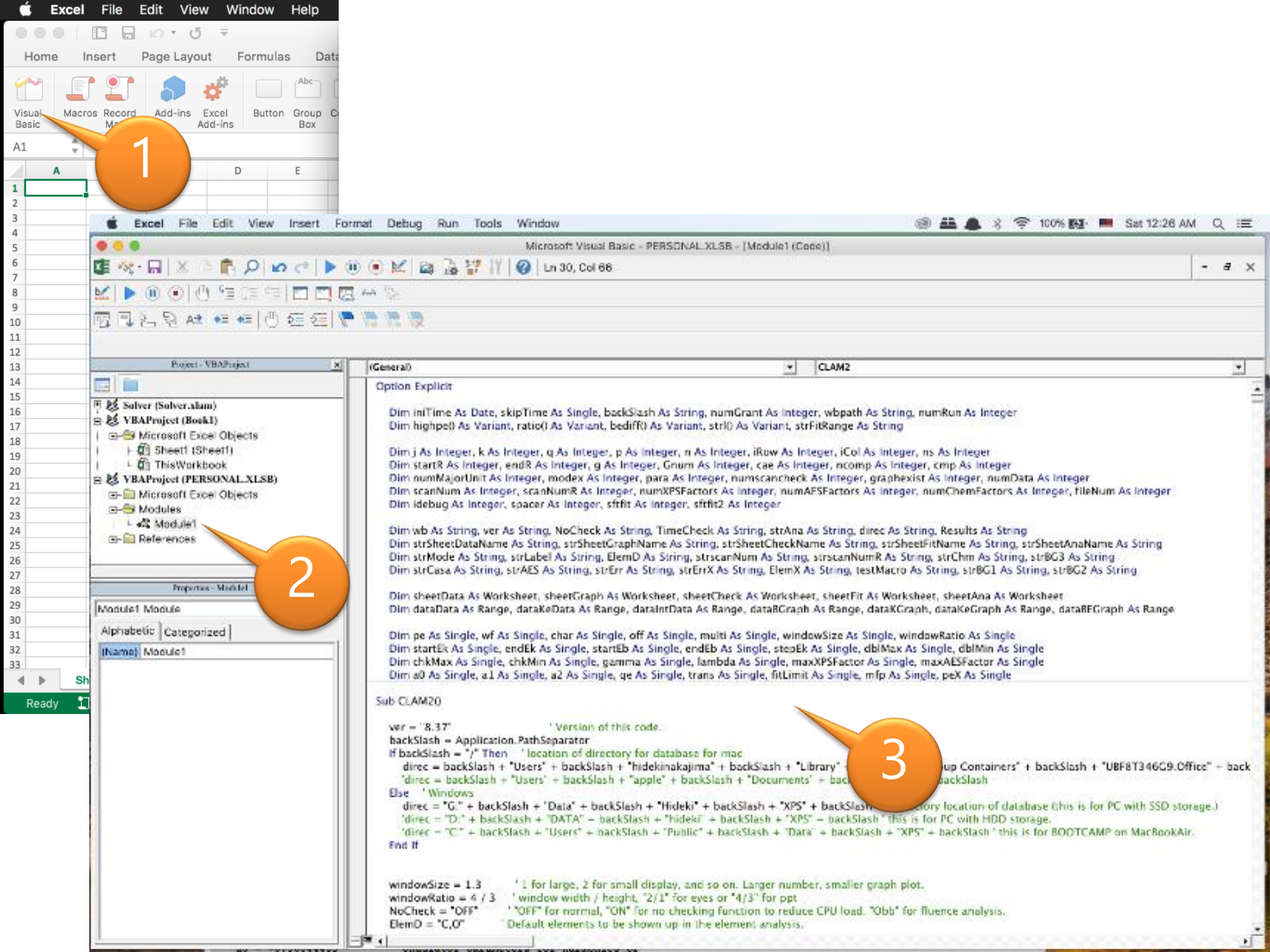
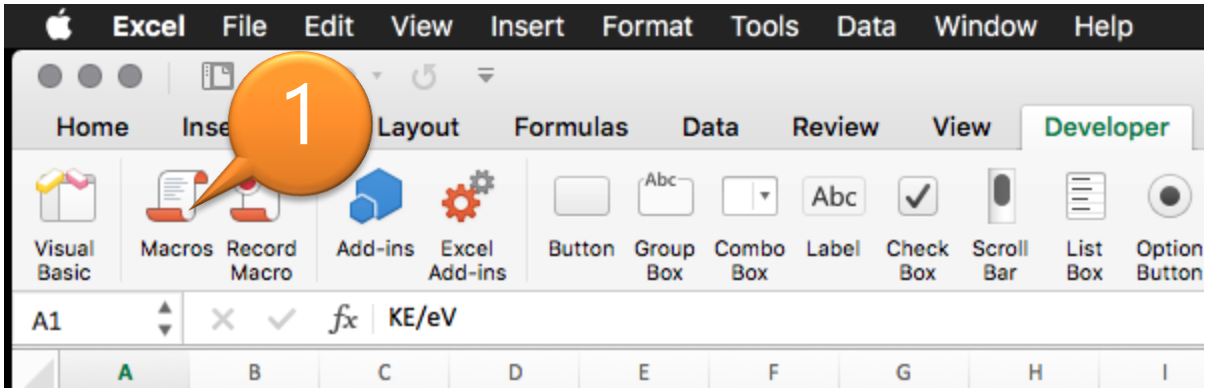
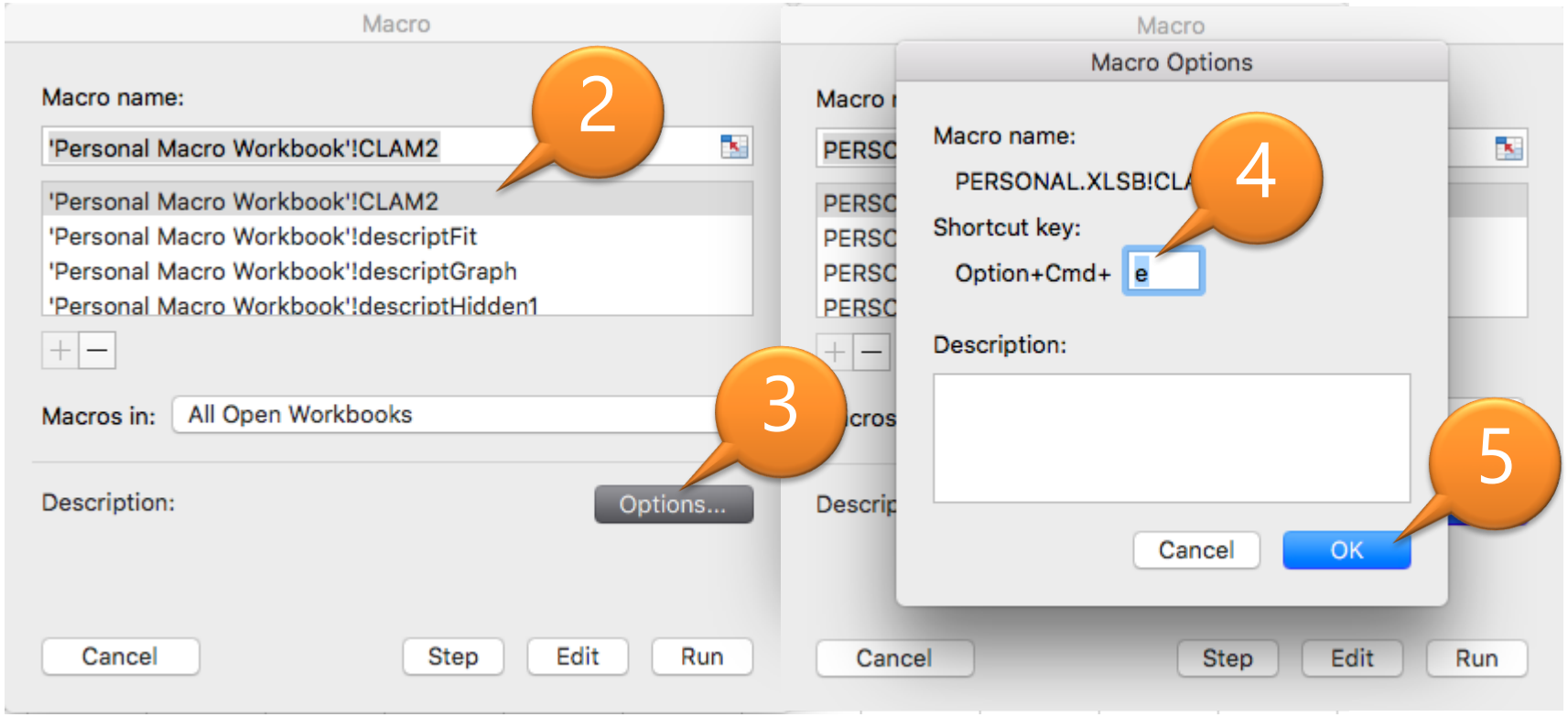
A B C D E F G H I

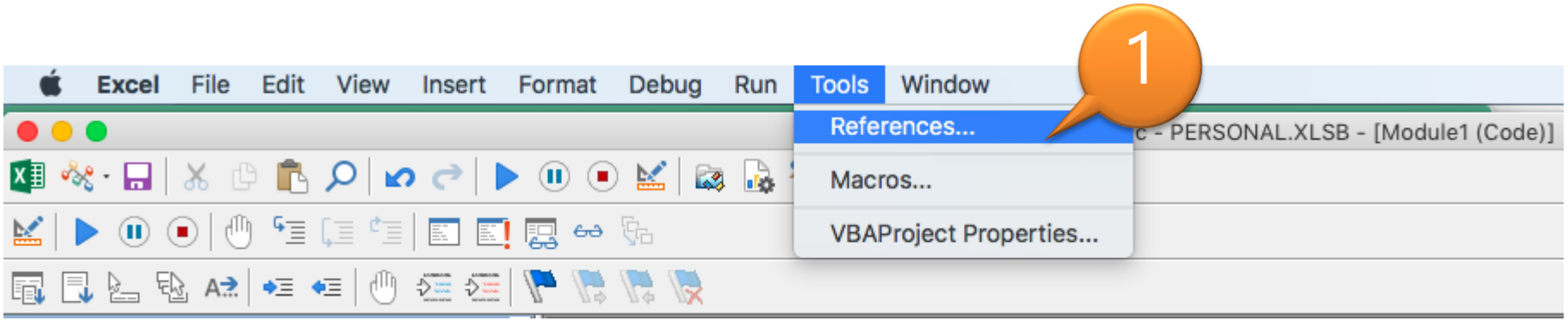

Add-ins
Add-ins available:
2
Analysis ToolPak
Solver Add-In
Solver Add-In
3
Browse...
Cancel
OK

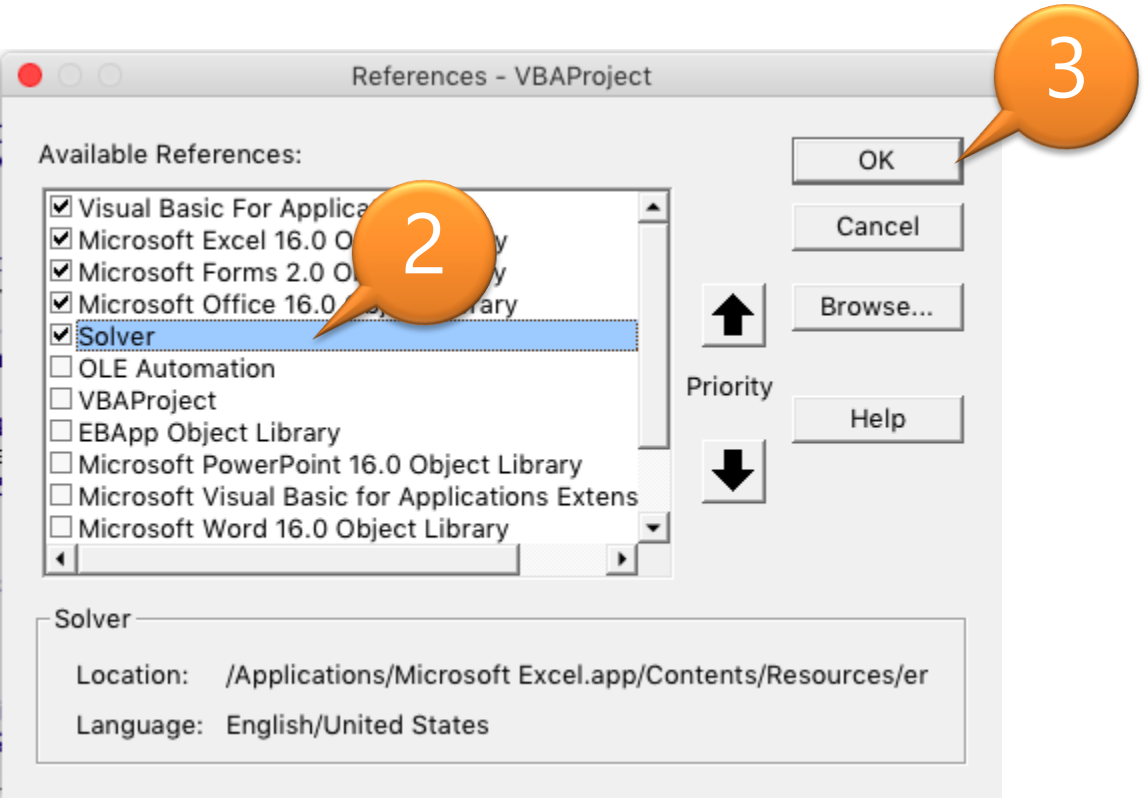

Excel File Edit View Window Help
Home Insert Page Layout Formulas
Visual Basic
Macros
Add-ins
Excel Add-ins
Button
Group Box
1
Excel File Edit View Insert Format Debug Run Tools Window
Microsoft Visual Basic - PERSONAL.XLSB - [Module1 (Code)]
Ln 30, Col 66
Project - VBAProject
Solver (Solver.xlam)
VBAProject (Book1)
Microsoft Excel Objects
Sheet1 (Sheet1)
ThisWorkbook
VBAProject (PERSONAL.XLSB)
Microsoft Excel Objects
Modules
Module1
References
2
Properties - Module1
Module1 Module
Alphabetic
Categorized
(Name)
Module1
(General)
CLAM2
Option Explicit
Dim iniTime As Date, skipTime As Single, backSlash As String, numGrant As Integer, wbpath As String, numRun As Integer
Dim highpe() As Variant, ratio() As Variant, bediff() As Variant, strI() As Variant, strFitRange As String
Dim j As Integer, k As Integer, q As Integer, p As Integer, n As Integer, iRow As Integer, iCol As Integer, ns As Integer
Dim startR As Integer, endR As Integer, g As Integer, Gnum As Integer, cae As Integer, ncomp As Integer, cmp As Integer
Dim numMajorUnit As Integer, modex As Integer, para As Integer, numscancheck As Integer, graphexist As Integer, numData As Integer
Dim scanNum As Integer, scanNumR As Integer, numXPSFactors As Integer, numAESFactors As Integer, numChemFactors As Integer, fileNum As Integer
Dim idebug As Integer, spacer As Integer, sftfit As Integer, sftfit2 As Integer
Dim wb As String, ver As String, NoCheck As String, TimeCheck As String, strAna As String, direc As String, Results As String
Dim strSheetDataName As String, strSheetGraphName As String, strSheetCheckName As String, strSheetFitName As String, strSheetAnaName As String
Dim strMode As String, strLabel As String, ElemD As String, strscanNum As String, strscanNumR As String, strChm As String, strBG3 As String
Dim strCasa As String, strAES As String, strErr As String, strErrX As String, ElemX As String, testMacro As String, strBG1 As String, strBG2 As String
Dim sheetData As Worksheet, sheetGraph As Worksheet, sheetCheck As Worksheet, sheetFit As Worksheet, sheetAna As Worksheet
Dim dataData As Range, dataKeData As Range, dataInrData As Range, dataBGraph As Range, dataKGraph, dataKeGraph As Range, dataBEGraph As Range
Dim pe As Single, wf As Single, char As Single, off As Single, multi As Single, windowSize As Single, windowRatio As Single
Dim startEk As Single, endEk As Single, startEb As Single, endEb As Single, stepEk As Single, dblMax As Single, dblMin As Single
Dim chkMax As Single, chkMin As Single, gamma As Single, lambda As Single, maxXPSFactor As Single, maxAESFactor As Single
Dim a0 As Single, a1 As Single, a2 As Single, qe As Single, trans As Single, fitLimit As Single, mfp As Single, peX As Single
Sub CLAM20
ver = "8.37" ' Version of this code.
backSlash = Application.PathSeparator
If backSlash = "/" Then ' location of directory for database for mac
direc = backSlash + "Users" + backSlash + "hidekinakajima" + backSlash + "Library"
'direc = backSlash + "Users" + backSlash + "apple" + backSlash + "Documents" + back
Else ' Windows
direc = "G:" + backSlash + "Data" + backSlash + "Hideki" + backSlash + "XPS" + backSlash
'direc = "D:" + backSlash + "DATA" + backSlash + "hideki" + backSlash + "XPS" + backSlash ' this is for PC with HDD storage.
'direc = "C:" + backSlash + "Users" + backSlash + "Public" + backSlash + "Data" + backSlash + "XPS" + backSlash ' this is for BOOTCAMP on MacBookAir.
End If
windowSize = 1.3 ' 1 for large, 2 for small display, and so on. Larger number, smaller graph plot.
windowRatio = 4 / 3 ' window width / height, "2/1" for eyes or "4/3" for ppt
NoCheck = "OFF" ' "OFF" for normal, "ON" for no checking function to reduce CPU load. "Obb" for fluence analysis.
ElemD = "C,O" ' Default elements to be shown up in the element analysis.
3
Ready



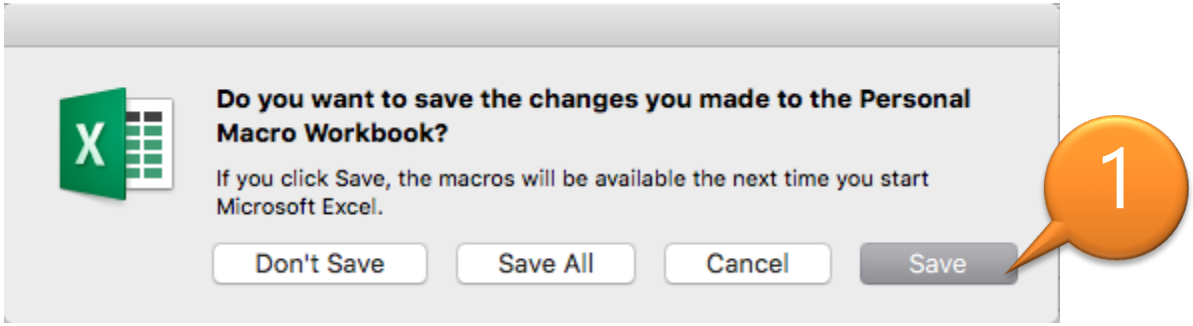


Shortcut key “q” for quit on mac!

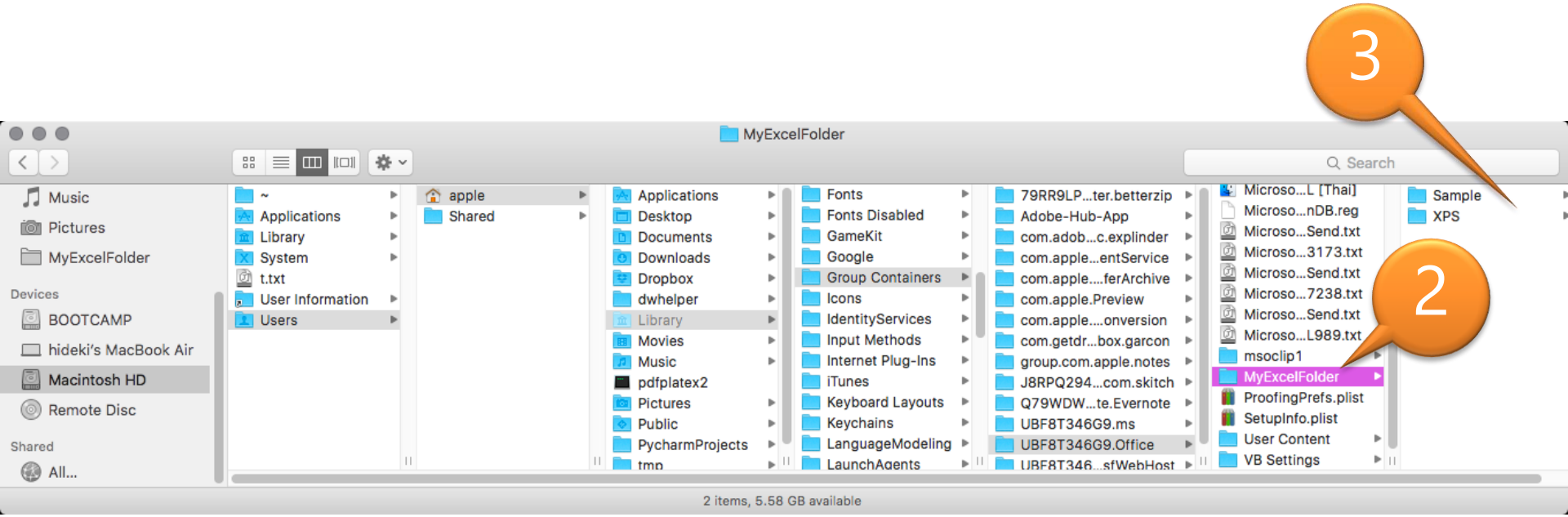

Excel
File
Edit
View
Insert
Format
Debug
Run
Tools
Window
References...
Macros...
VBAProject Properties...
1
- PERSONAL.XLSB - [Module1 (Code)]


References - VBAProject
Available References:
Visual Basic For Applica
Microsoft Excel 16.0 O
Microsoft Forms 2.0 O
Microsoft Office 16.0
Solver
OLE Automation
VBAProject
EBApp Object Library
Microsoft PowerPoint 16.0 Object Library
Microsoft Visual Basic for Applications Extens
Microsoft Word 16.0 Object Library
OK
Cancel
Browse...
Priority
Help
Solver
Location: /Applications/Microsoft Excel.app/Contents/Resources/er
Language: English/United States
2
3

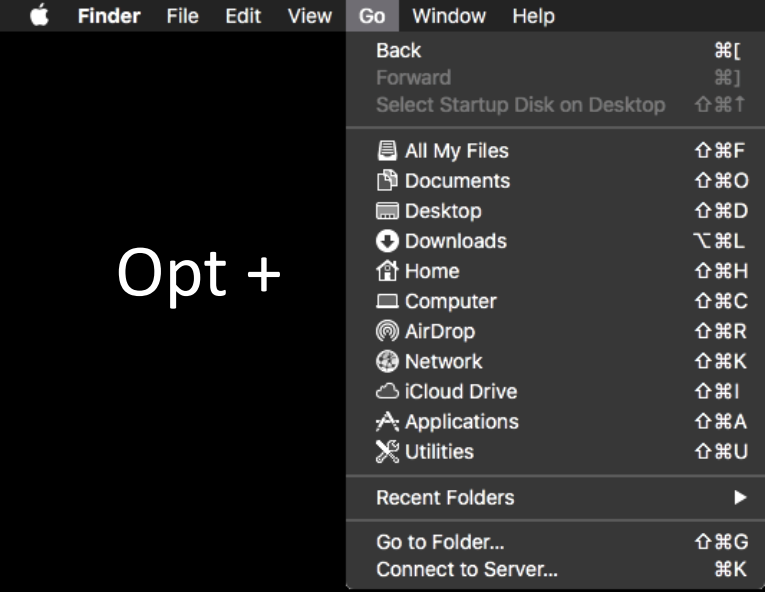
Quit Excel



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



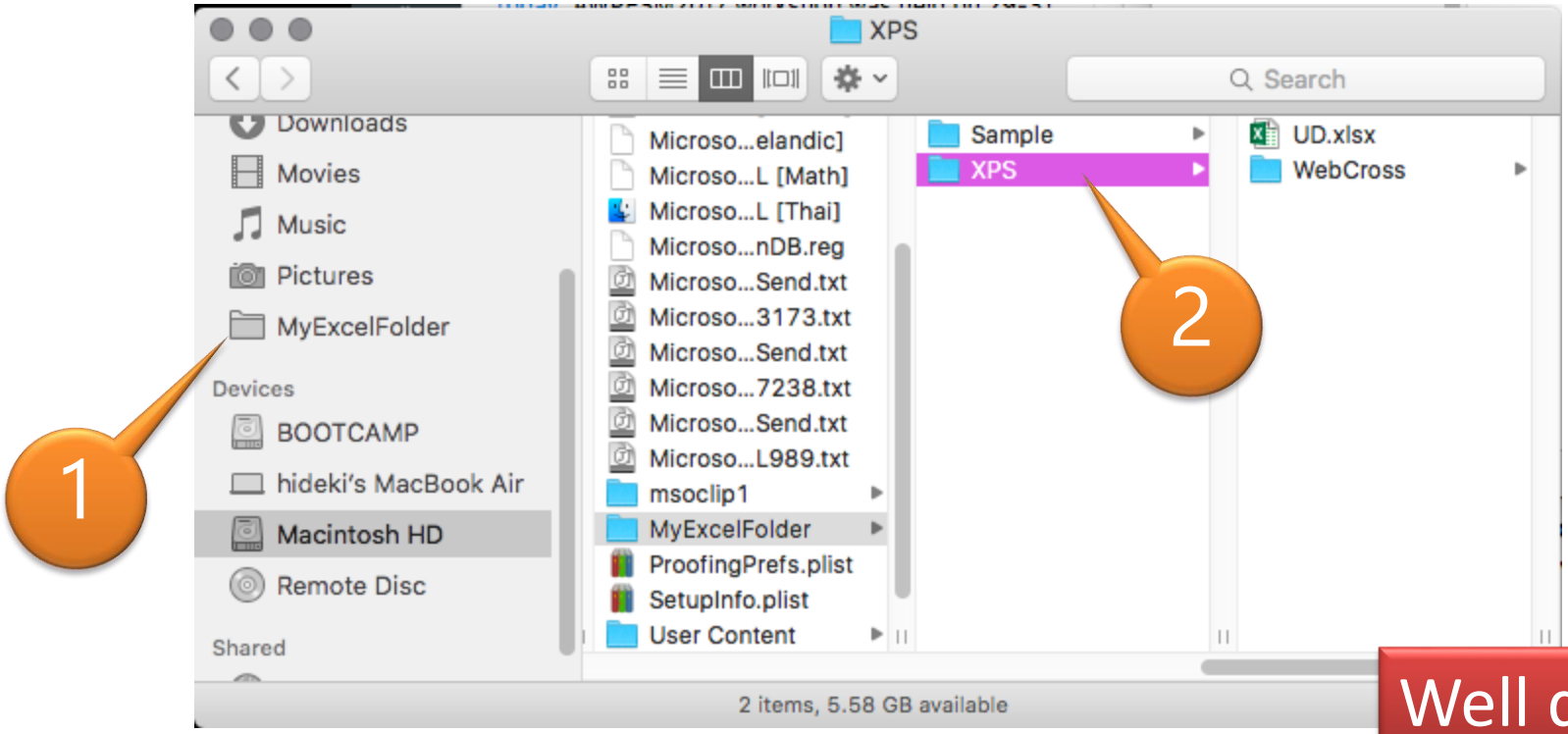
Opt +



Library folder can be accessed from Go with Option key

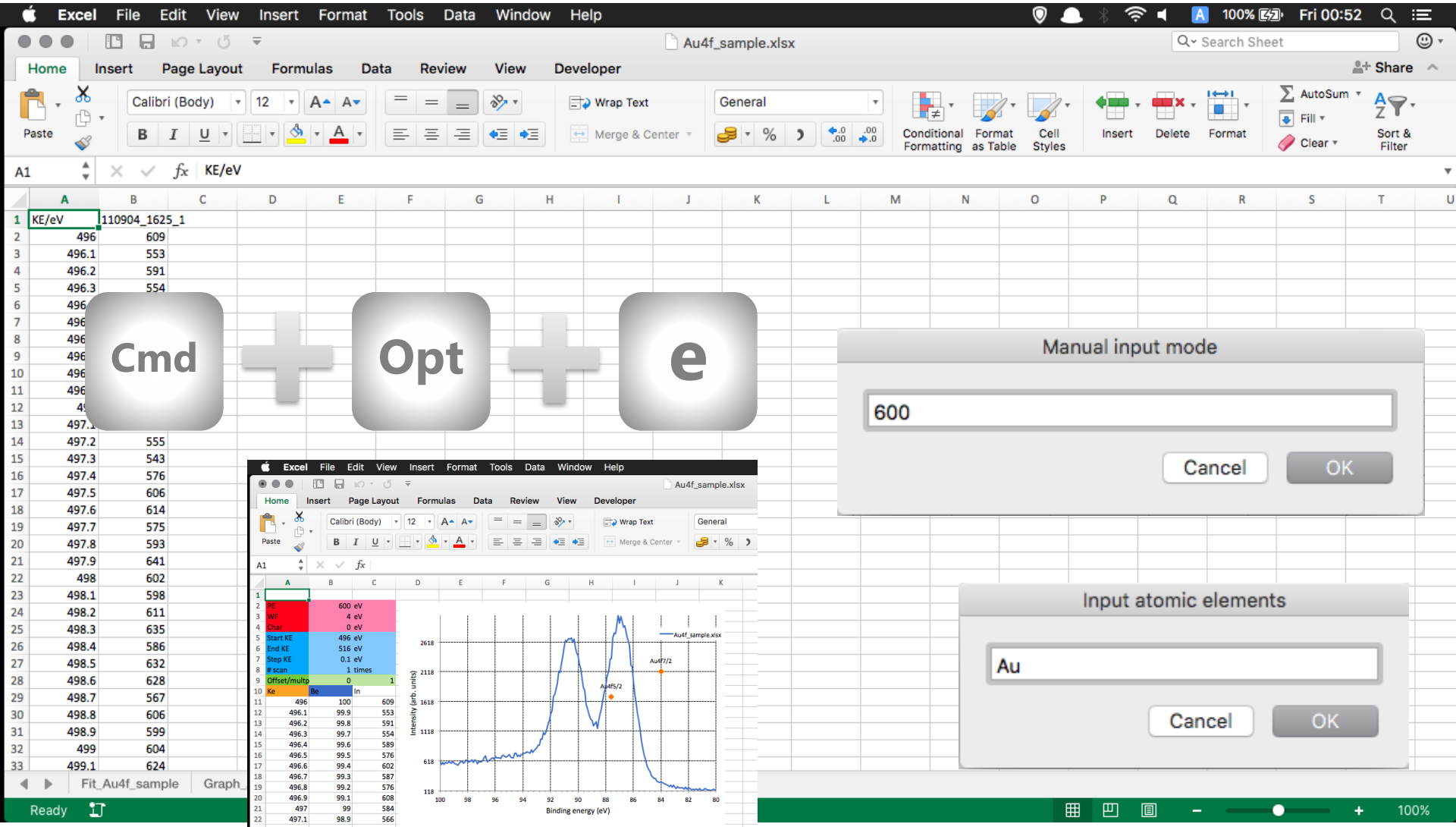
←

Drag & drop in Favorites menu for next access.

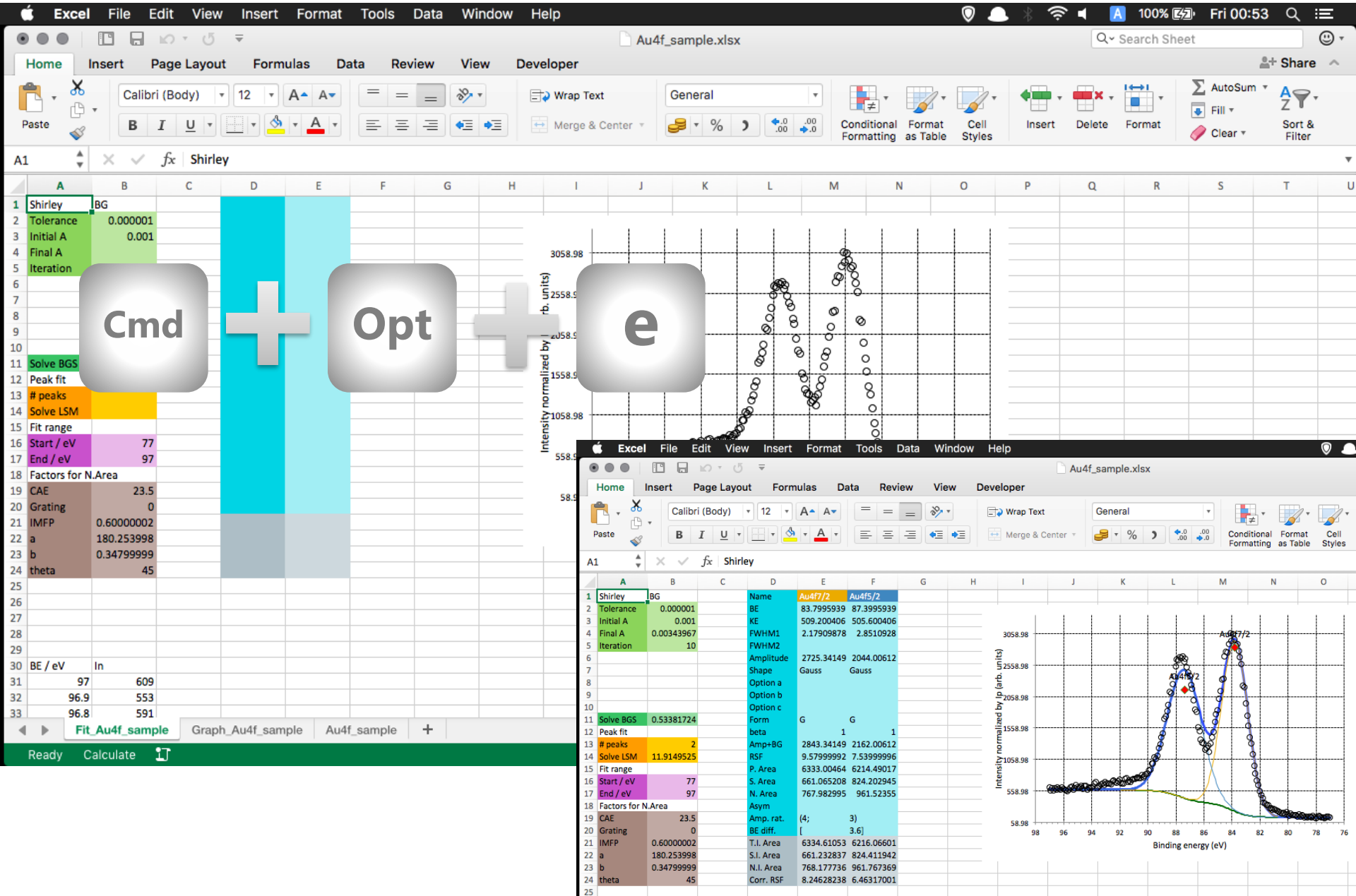


Well done!

Open the sample file with Excel and use shortcut key.



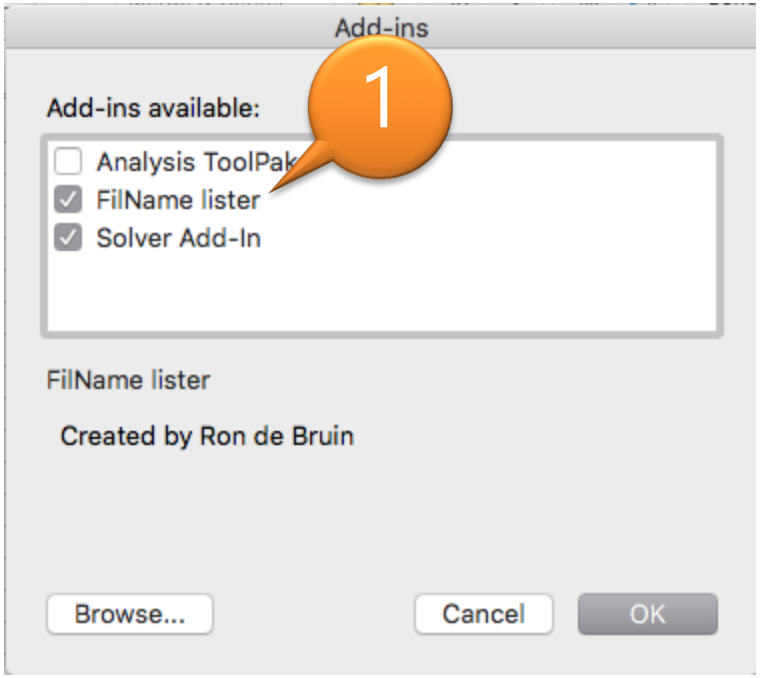
Select the worksheet “Fit_filename” and use shortcut key.



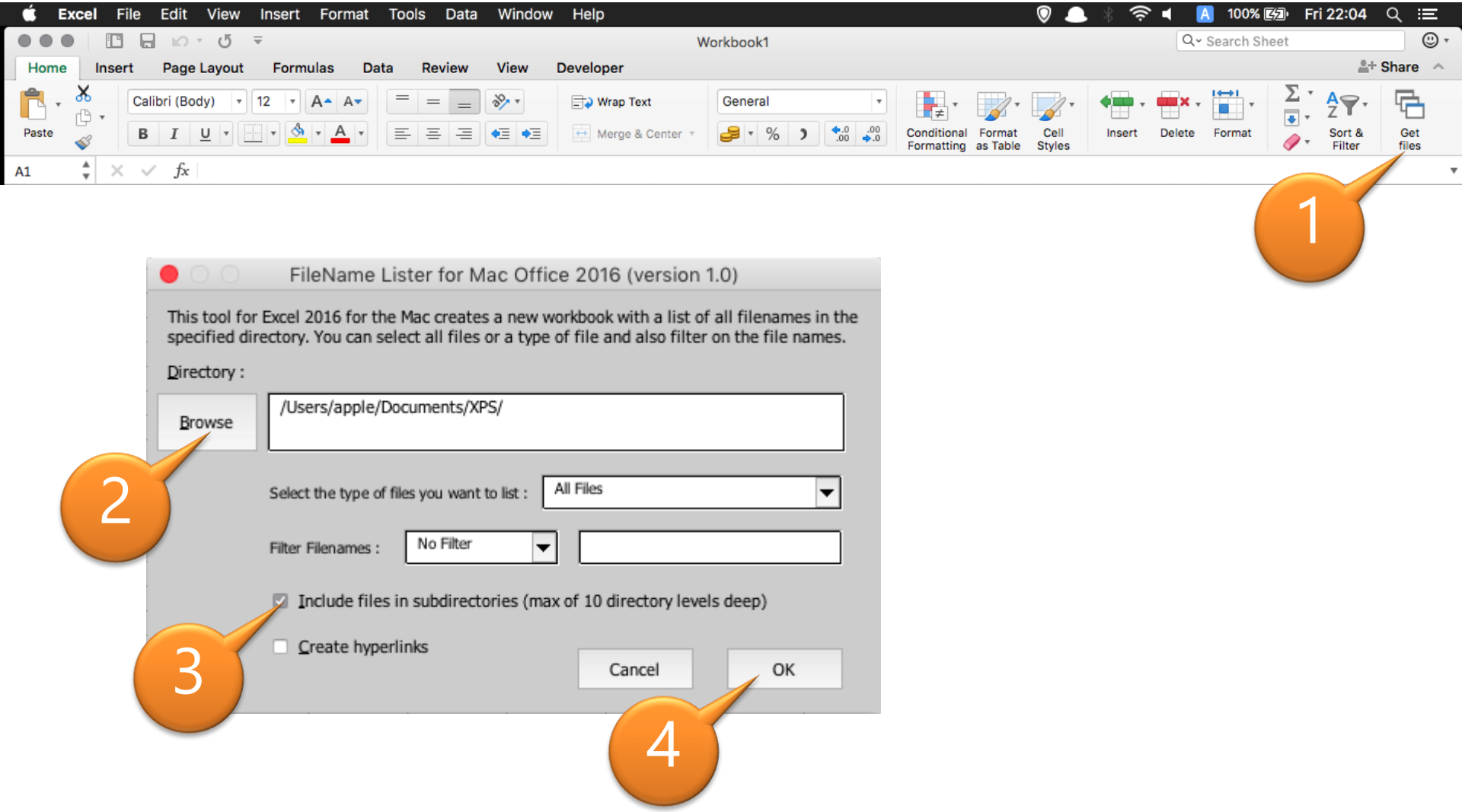
Extra add-ins required for filename list

FILE ACCESS ISSUE

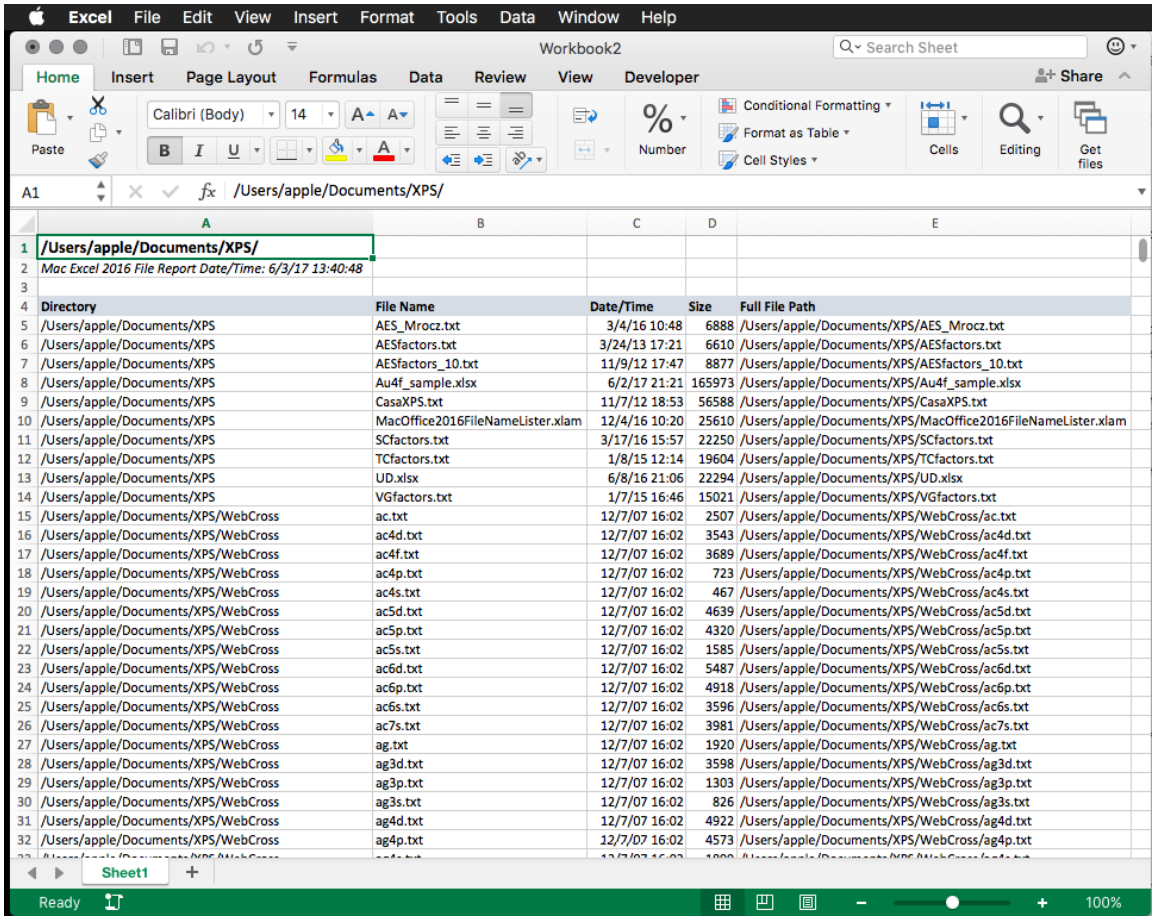
If you need the database files in the different folder, follow the process here.
Download add-in: https://www.rondebruin.nl/mac/addins/filenamelister.htm



Note that Dir function does not work on mac.


Excel File Edit View Insert Format Tools Data Window Help
100% Fri 22:04
Workbook1
Search Sheet
Home Insert Page Layout Formulas Data Review View Developer
Share
Paste
Calibri (Body) 12
Wrap Text
General
Merge & Center
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
Get files
A1
1
FileName Lister for Mac Office 2016 (version 1.0)
This tool for Excel 2016 for the Mac creates a new workbook with a list of all filenames in the specified directory. You can select all files or a type of file and also filter on the file names.
Directory :
Browse
/Users/apple/Documents/XPS/
2
Select the type of files you want to list :
All Files
Filter Filenames :
No Filter
Include files in subdirectories (max of 10 directory levels deep)
3
Create hyperlinks
Cancel
OK
4

Save the workbook in the folder specified in “direc” as “file_list.xlsx”, and then access will be granted.



Excel File Edit View Insert Format Tools Data Window Help

Workbook2

Search Sheet

Home Insert Page Layout Formulas Data Review View Developer Share

Paste Calibri (Body) 14 B I U Number Conditional Formatting Format as Table Cell Styles Cells Editing Get files

A1 /Users/apple/Documents/XPS/

	A	B	C	D	E
1	/Users/apple/Documents/XPS/				
2	*Mac Excel 2016 File Report Date/Time: 6/3/17 13:40:48*				
3					
4	**Directory**	**File Name**	**Date/Time**	**Size**	**Full File Path**
5	/Users/apple/Documents/XPS	AES_Mrocz.txt	3/4/16 10:48	6888	/Users/apple/Documents/XPS/AES_Mrocz.txt
6	/Users/apple/Documents/XPS	AESfactors.txt	3/24/13 17:21	6610	/Users/apple/Documents/XPS/AESfactors.txt
7	/Users/apple/Documents/XPS	AESfactors_10.txt	11/9/12 17:47	8877	/Users/apple/Documents/XPS/AESfactors_10.txt
8	/Users/apple/Documents/XPS	Au4f_sample.xlsx	6/2/17 21:21	165973	/Users/apple/Documents/XPS/Au4f_sample.xlsx
9	/Users/apple/Documents/XPS	CasaXPS.txt	11/7/12 18:53	56588	/Users/apple/Documents/XPS/CasaXPS.txt
10	/Users/apple/Documents/XPS	MacOffice2016FileNameLister.xlam	12/4/16 10:20	25610	/Users/apple/Documents/XPS/MacOffice2016FileNameLister.xlam
11	/Users/apple/Documents/XPS	SCfactors.txt	3/17/16 15:57	22250	/Users/apple/Documents/XPS/SCfactors.txt
12	/Users/apple/Documents/XPS	TCfactors.txt	1/8/15 12:14	19604	/Users/apple/Documents/XPS/TCfactors.txt
13	/Users/apple/Documents/XPS	UD.xlsx	6/8/16 21:06	22294	/Users/apple/Documents/XPS/UD.xlsx
14	/Users/apple/Documents/XPS	VGfactors.txt	1/7/15 16:46	15021	/Users/apple/Documents/XPS/VGfactors.txt
15	/Users/apple/Documents/XPS/WebCross	ac.txt	12/7/07 16:02	2507	/Users/apple/Documents/XPS/WebCross/ac.txt
16	/Users/apple/Documents/XPS/WebCross	ac4d.txt	12/7/07 16:02	3543	/Users/apple/Documents/XPS/WebCross/ac4d.txt
17	/Users/apple/Documents/XPS/WebCross	ac4f.txt	12/7/07 16:02	3689	/Users/apple/Documents/XPS/WebCross/ac4f.txt
18	/Users/apple/Documents/XPS/WebCross	ac4p.txt	12/7/07 16:02	723	/Users/apple/Documents/XPS/WebCross/ac4p.txt
19	/Users/apple/Documents/XPS/WebCross	ac4s.txt	12/7/07 16:02	467	/Users/apple/Documents/XPS/WebCross/ac4s.txt
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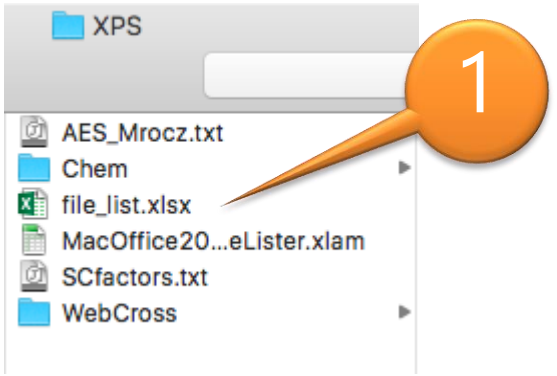
21	/Users/apple/Documents/XPS/WebCross	ac5p.txt	12/7/07 16:02	4320	/Users/apple/Documents/XPS/WebCross/ac5p.txt
22	/Users/apple/Documents/XPS/WebCross	ac5s.txt	12/7/07 16:02	1585	/Users/apple/Documents/XPS/WebCross/ac5s.txt
23	/Users/apple/Documents/XPS/WebCross	ac6d.txt	12/7/07 16:02	5487	/Users/apple/Documents/XPS/WebCross/ac6d.txt
24	/Users/apple/Documents/XPS/WebCross	ac6p.txt	12/7/07 16:02	4918	/Users/apple/Documents/XPS/WebCross/ac6p.txt
25	/Users/apple/Documents/XPS/WebCross	ac6s.txt	12/7/07 16:02	3596	/Users/apple/Documents/XPS/WebCross/ac6s.txt
26	/Users/apple/Documents/XPS/WebCross	ac7s.txt	12/7/07 16:02	3981	/Users/apple/Documents/XPS/WebCross/ac7s.txt
27	/Users/apple/Documents/XPS/WebCross	ag.txt	12/7/07 16:02	1920	/Users/apple/Documents/XPS/WebCross/ag.txt
28	/Users/apple/Documents/XPS/WebCross	ag3d.txt	12/7/07 16:02	3598	/Users/apple/Documents/XPS/WebCross/ag3d.txt
29	/Users/apple/Documents/XPS/WebCross	ag3p.txt	12/7/07 16:02	1303	/Users/apple/Documents/XPS/WebCross/ag3p.txt
30	/Users/apple/Documents/XPS/WebCross	ag3s.txt	12/7/07 16:02	826	/Users/apple/Documents/XPS/WebCross/ag3s.txt
31	/Users/apple/Documents/XPS/WebCross	ag4d.txt	12/7/07 16:02	4922	/Users/apple/Documents/XPS/WebCross/ag4d.txt
32	/Users/apple/Documents/XPS/WebCross	ag4p.txt	12/7/07 16:02	4573	/Users/apple/Documents/XPS/WebCross/ag4p.txt

Sheet1

Ready 100%



References

- Multiple-file access granted on mac
  - https://msdn.microsoft.com/en-us/library/office/mt654020.aspx
- 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