

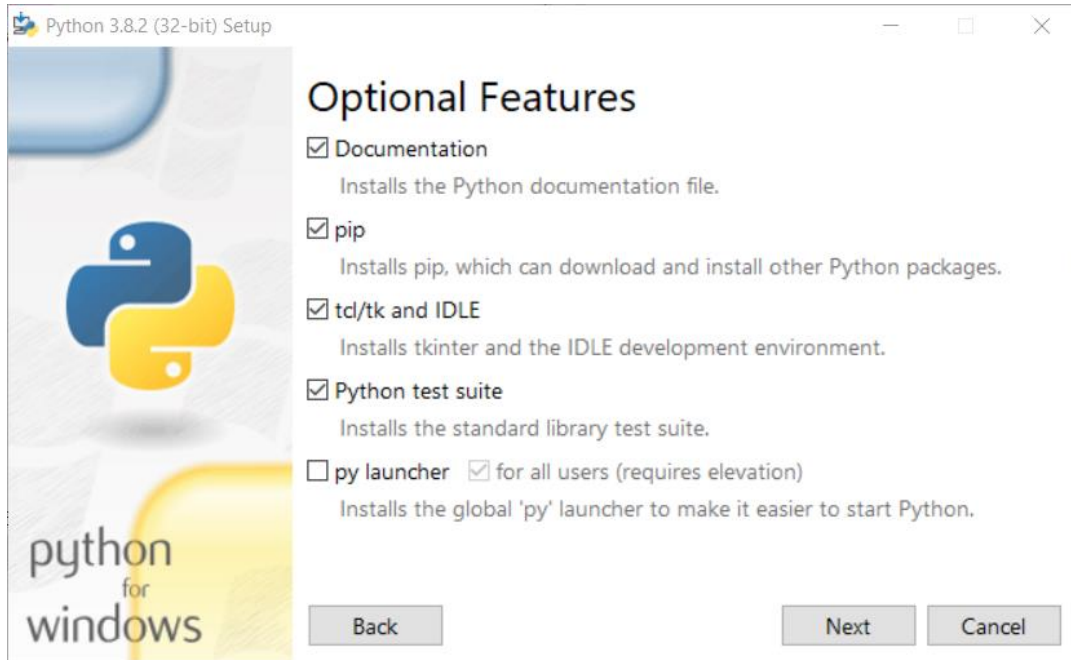
## Manual - manual installation and uninstallation

For the full functionality you have to install a few applications.

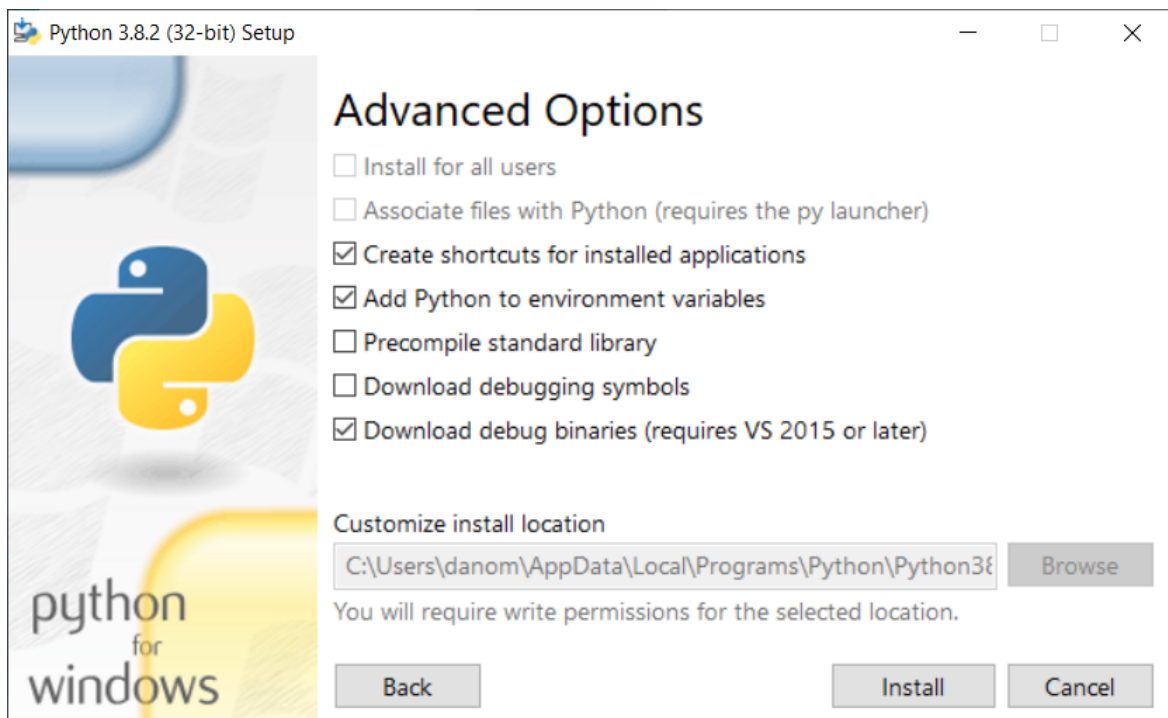
### Needed:

python 3.6 or higher <https://www.python.org/downloads/>

! Important – during installation select install pip



! In the next window select the „Add Python to environmental variables“



Make <http://gnuwin32.sourceforge.net/packages/make.htm>

**Optional:**

Documentation -> Doxygen <http://www.doxygen.nl/download.html>

Pack: Zip <http://gnuwin32.sourceforge.net/packages/zip.htm>

Git <https://git-scm.com/download/win>

!! Important – add all of the installed apps to the environmental variables to path

Guide: <https://helpdeskgeek.com/windows-10/add-windows-path-environment-variable/>

## Install:

Download the zip and unzip it in any folder

## Steps:

- Open Windows command line and move to the src folder with the program files
- use **make/ make all** to install the dependencies, it will install PyQt5 and PyInstaller
- **make install** will create an exe file, create folder CalculatorApp and move the exe to it
- save the folder wherever you like and copy the Makefile to the parent folder
- create a desktop shortcut to the exe file if you want
- use Make targets for more

## Make targets:

make/ make all	- install dependencies
make pack	- pack needed files
make clean	- clean not needed files
make test	- start tests for math_library
make doc	- generate documentation with Doxygen
make run	- start program
make profile	- start code for standard deviation with example file
make install	- make .exe file and move it to new File
make uninstall	- delete File containing .exe
make help	- print make info for this program

## Uninstall

Open windows command line and move to the file with the .exe and go to the parent folder, where the Makefile is. If the Makefile isn't there copy it there.

Type **make uninstall** to remove the folder and .exe in it. If you have something in that folder, that you would like to keep move it elsewhere.