

Instructions for using the Python scripts in a Windows environment

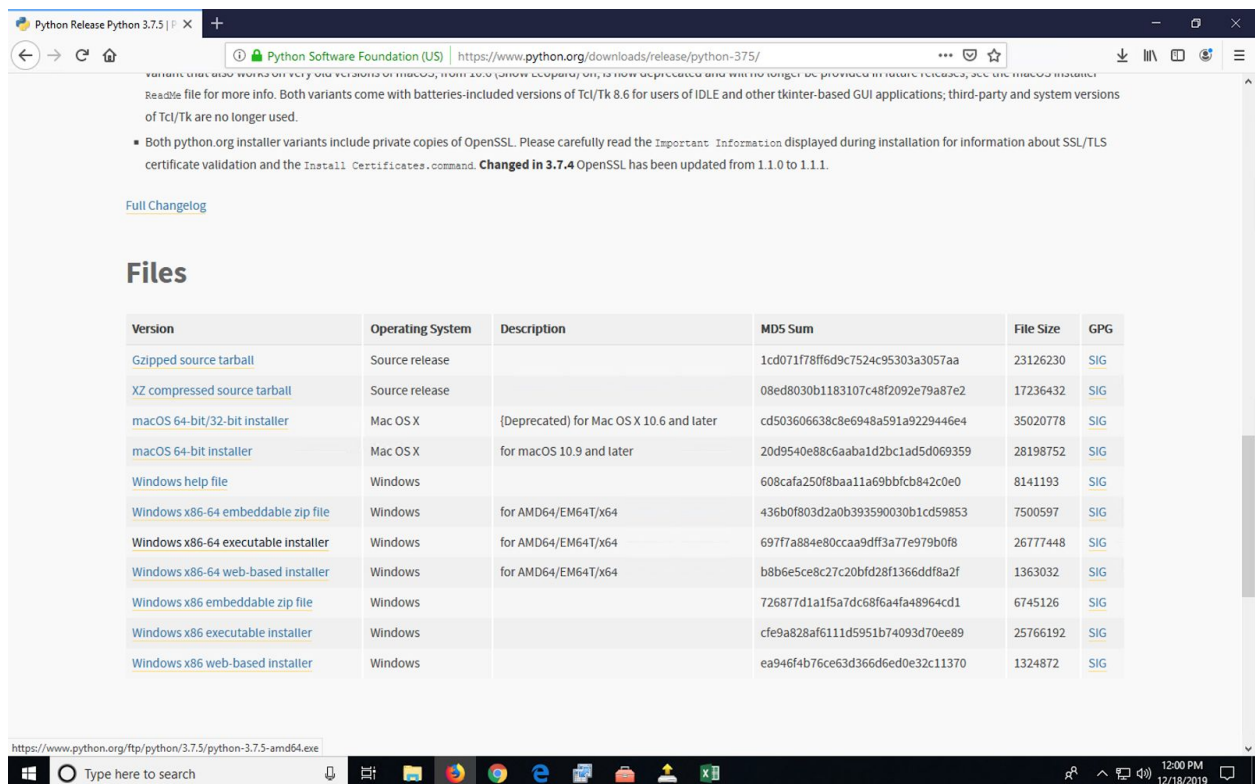
You need to install Python 3.7.5 on your Windows machine in order to run the script.

Download Python from this link:

<https://www.python.org/downloads/release/python-375/>

Download the **Windows x86-64 executable installer** for 64-bit machines or the **Windows x86 executable installer** for 32-bit machines (I think the 32-bit installer will work on 64-bit machines, but if you have 64-bit, you should choose that installer)

Make sure that you select the executable installer



Python Release Python 3.7.5 | Python Software Foundation (US) | <https://www.python.org/downloads/release/python-375/>

Read the file for more info. Both variants come with batteries-included versions of Tcl/Tk 8.6 for users of IDLE and other tkinter-based GUI applications; third-party and system versions of Tcl/Tk are no longer used.

- Both python.org installer variants include private copies of OpenSSL. Please carefully read the Important Information displayed during installation for information about SSL/TLS certificate validation and the Install Certificates command. **Changed in 3.7.4** OpenSSL has been updated from 1.1.0 to 1.1.1.

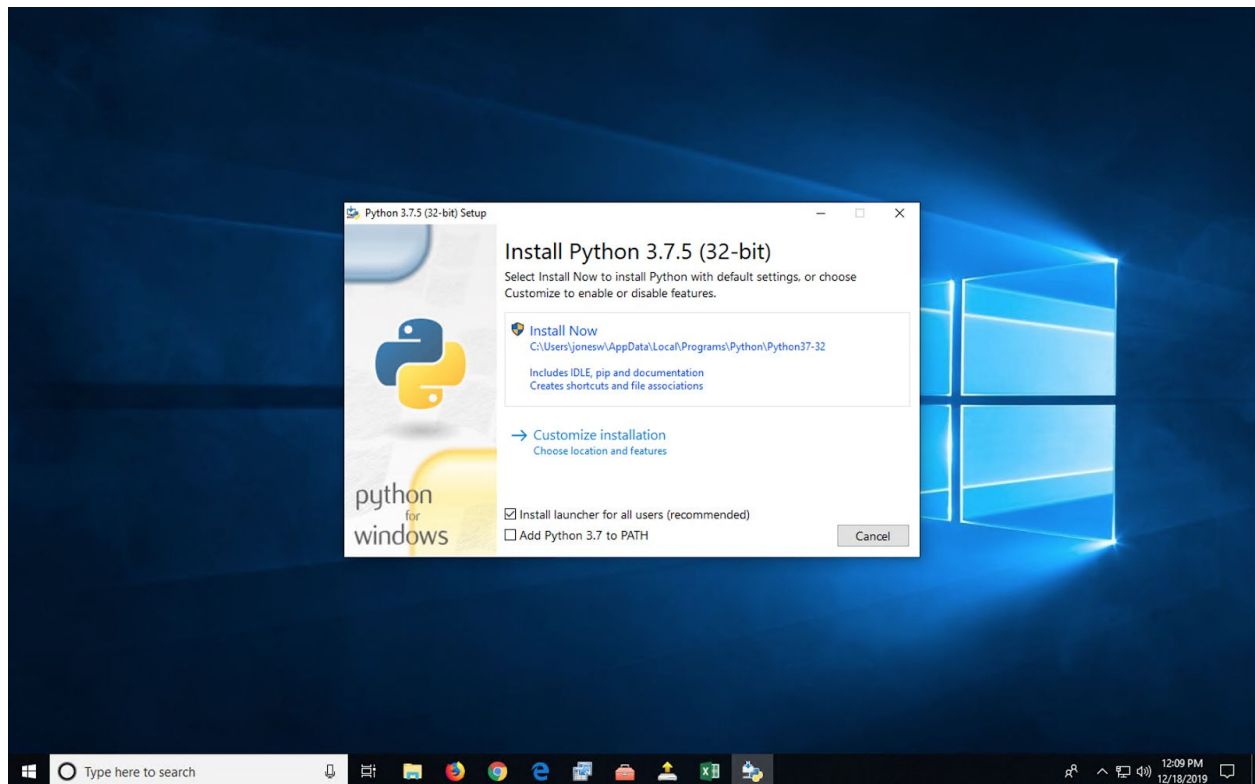
[Full Changelog](#)

Files

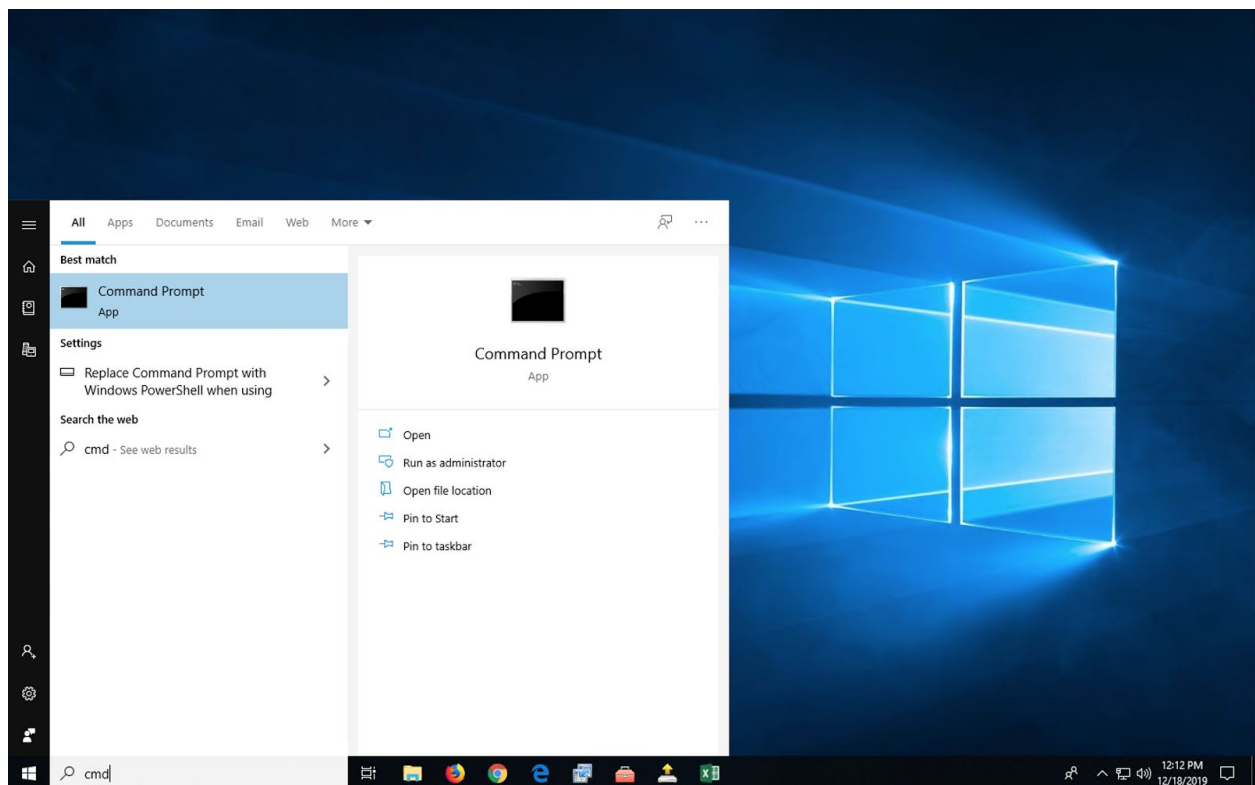
Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		1cd071f78ff6d9c7524c95303a3057aa	23126230	SIG
XZ compressed source tarball	Source release		08ed8030b1183107c48f2092e79a87e2	17236432	SIG
macOS 64-bit/32-bit installer	Mac OS X	(Deprecated) for Mac OS X 10.6 and later	cd503606638c8e6948a591a9229446e4	35020778	SIG
macOS 64-bit installer	Mac OS X	for macOS 10.9 and later	20d9540e88c6aaba1d2bc1ad5d069359	28198752	SIG
Windows help file	Windows		608cfa250f8baa11a69bbfcb842c0e0	8141193	SIG
Windows x86-64 embeddable zip file	Windows	for AMD64/EM64T/x64	436b0f803d2a0b393590030b1cd59853	7500597	SIG
Windows x86-64 executable installer	Windows	for AMD64/EM64T/x64	697f7a884e80ccaa9dff3a77e979b0f8	26777448	SIG
Windows x86-64 web-based installer	Windows	for AMD64/EM64T/x64	b9b6e5ce8c27c20bf0d28f1366ddf8a2f	1363032	SIG
Windows x86 embeddable zip file	Windows		726877d1a1f5a7dc68f6a4fa48964cd1	6745126	SIG
Windows x86 executable installer	Windows		cfe9a828af6111d5951b74093d70ee89	25766192	SIG
Windows x86 web-based installer	Windows		ea946f4b76ce63d366d6ed0e32c11370	1324872	SIG

<https://www.python.org/ftp/python/3.7.5/python-3.7.5-amd64.exe>

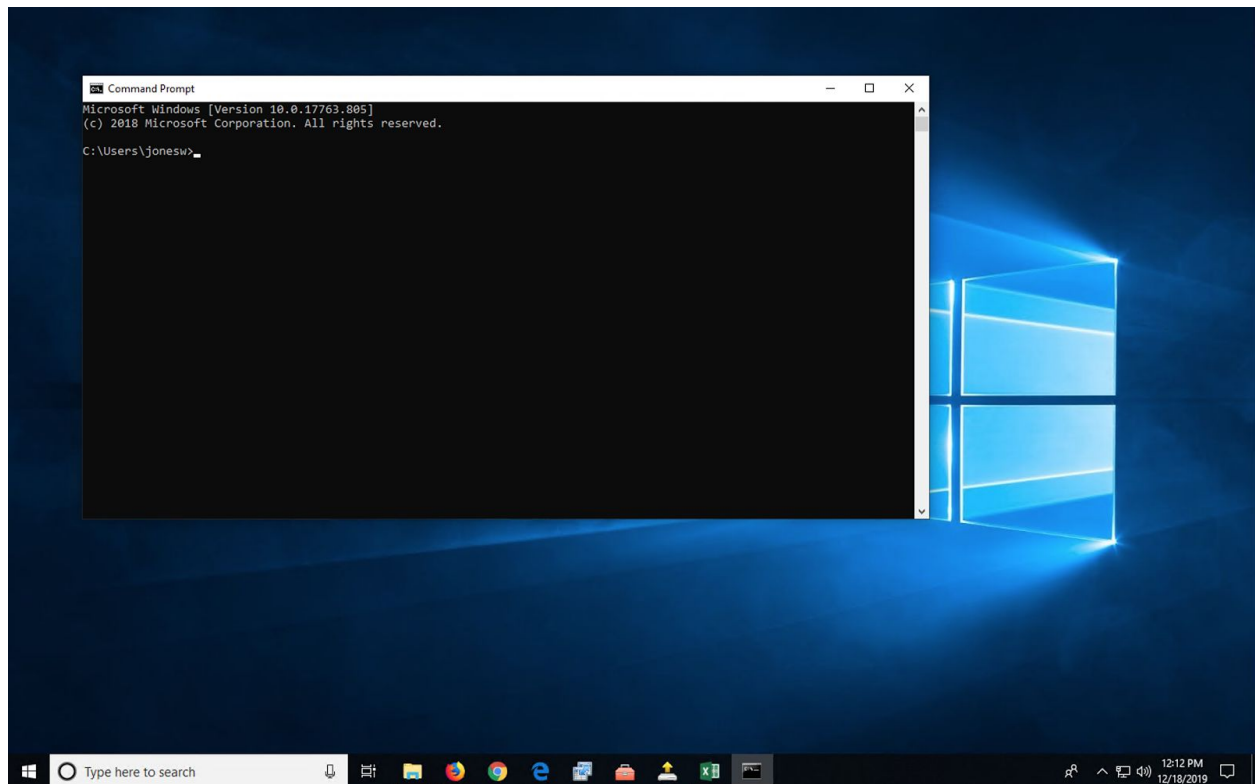
Run through the install:



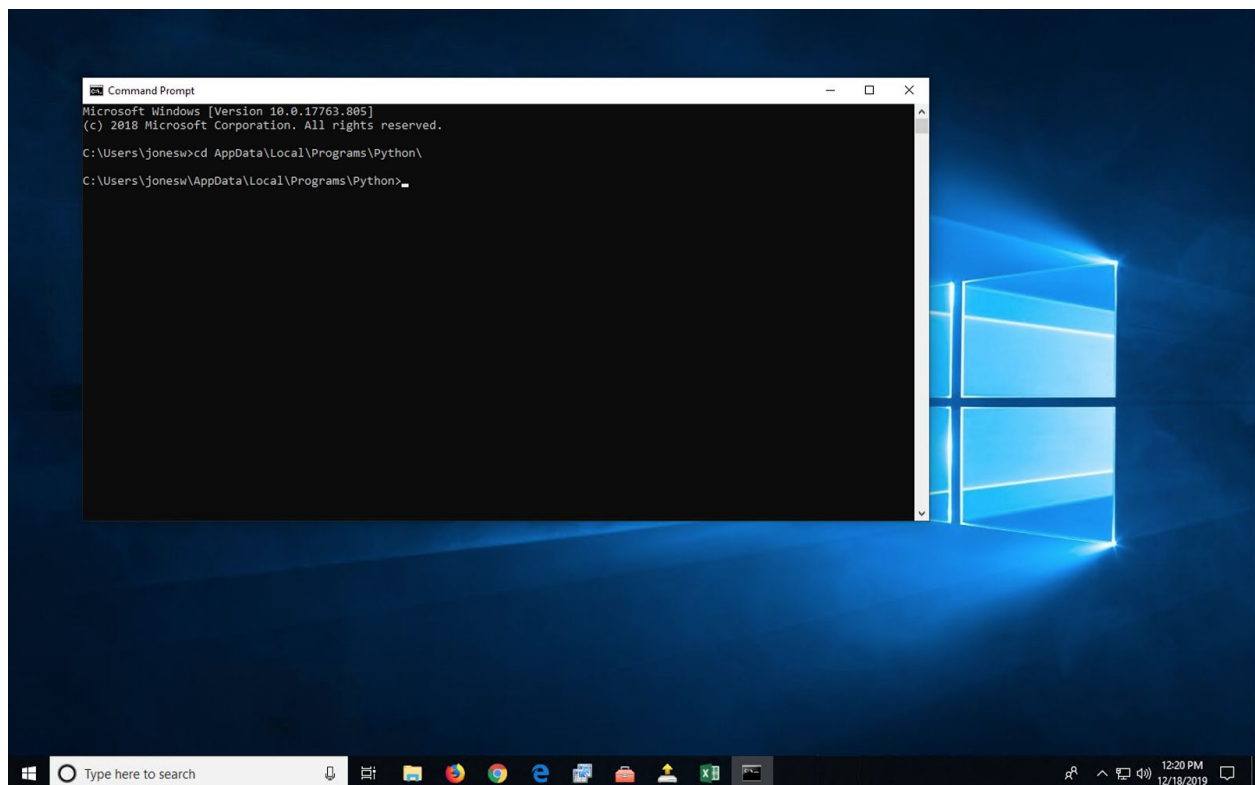
After the installation is complete, click on the Windows button and type **cmd** and hit Enter:



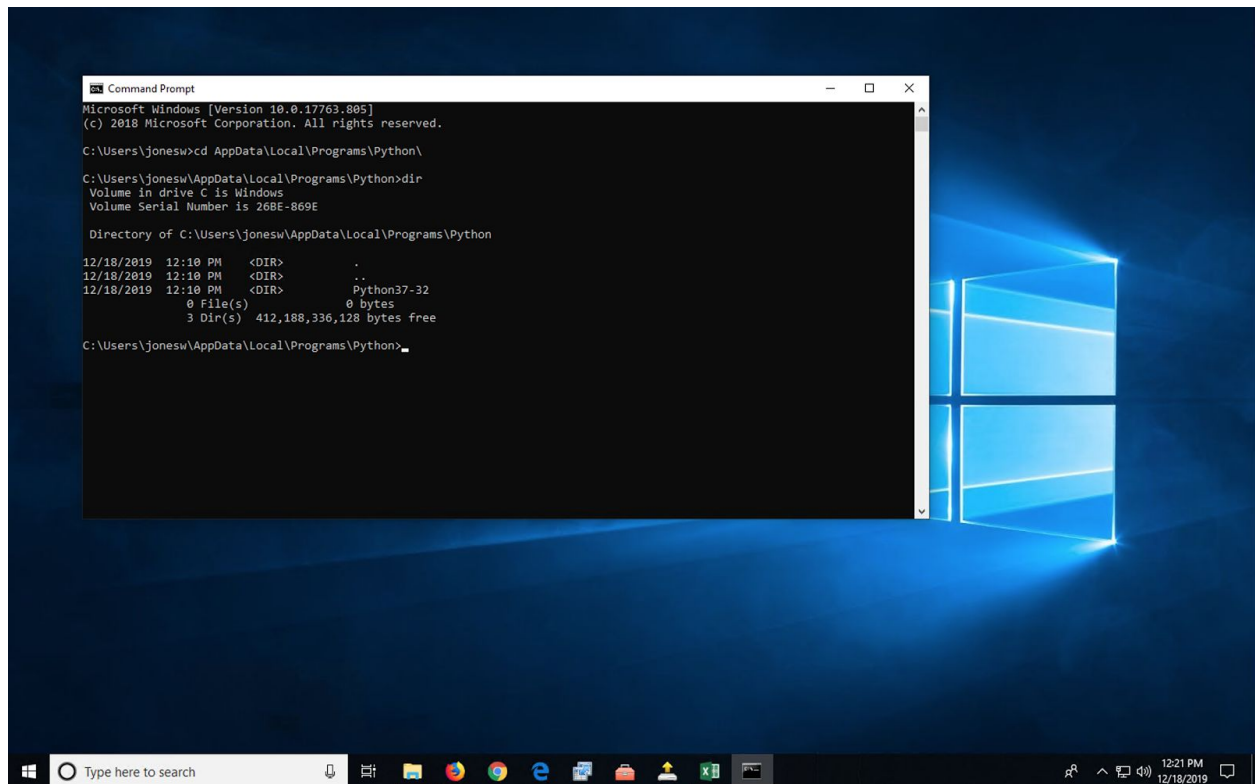
You should now have a command prompt:



Type (or copy & paste) this text into cmd and hit Enter: `cd AppData\Local\Programs\Python\`



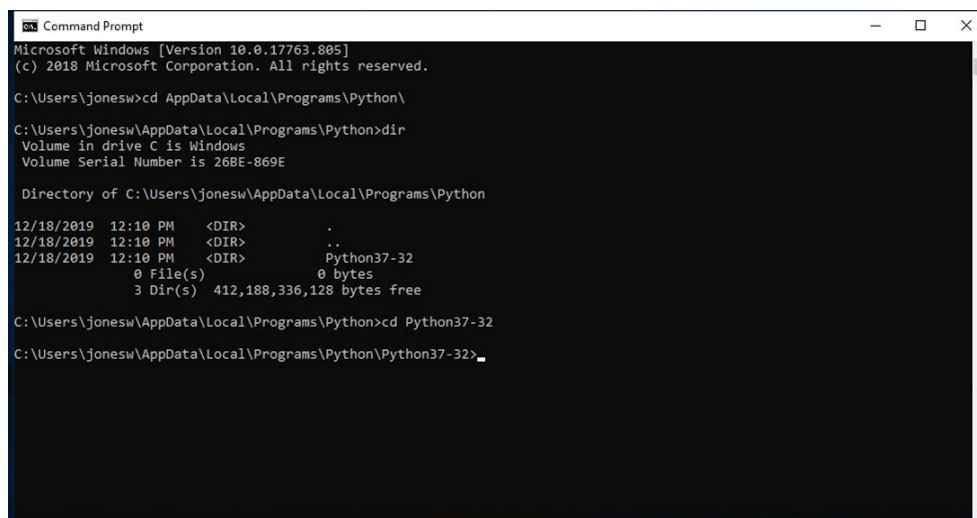
Type: dir and hit Enter:



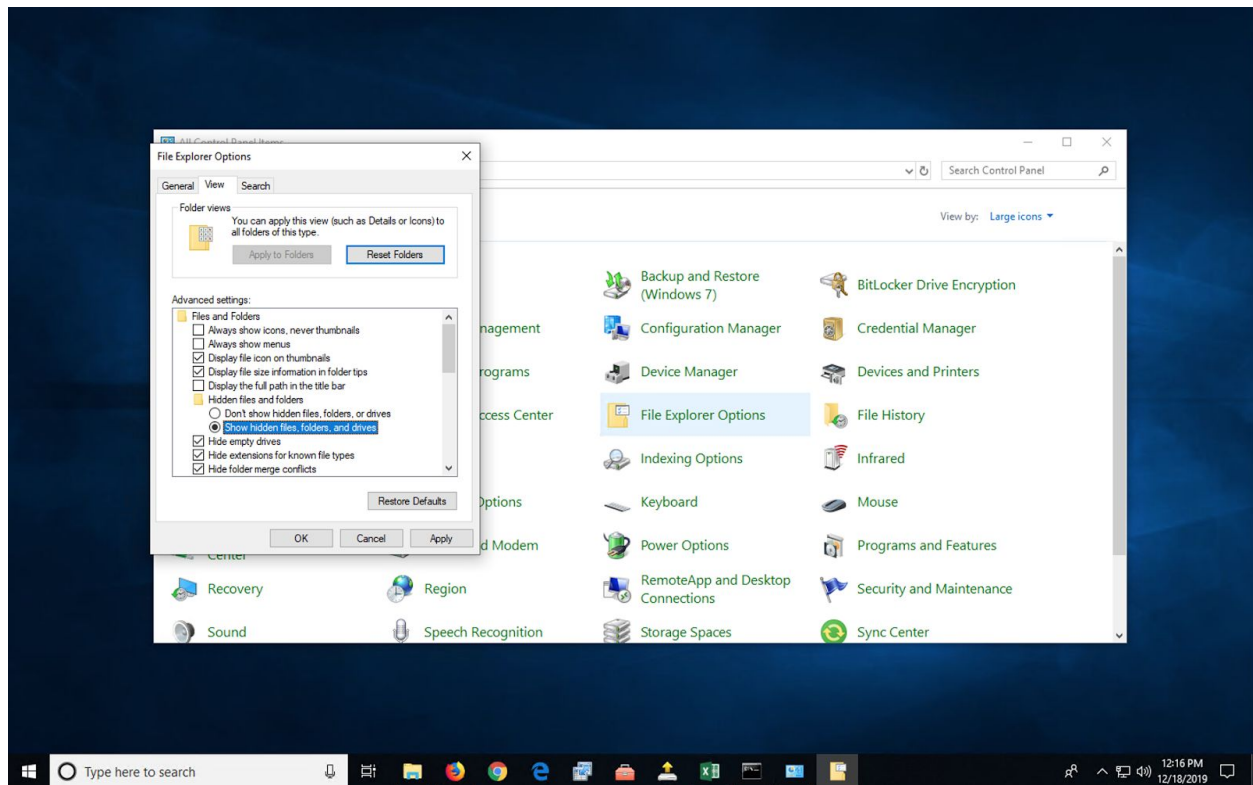
This will show you the name of the folder that Python is located in. For me, the folder is called Python37-32 (because I installed the 32-bit application). Your folder may be called Python37 if you installed the 64 bit version.

Type in cd [and then the name of the folder], for instance:

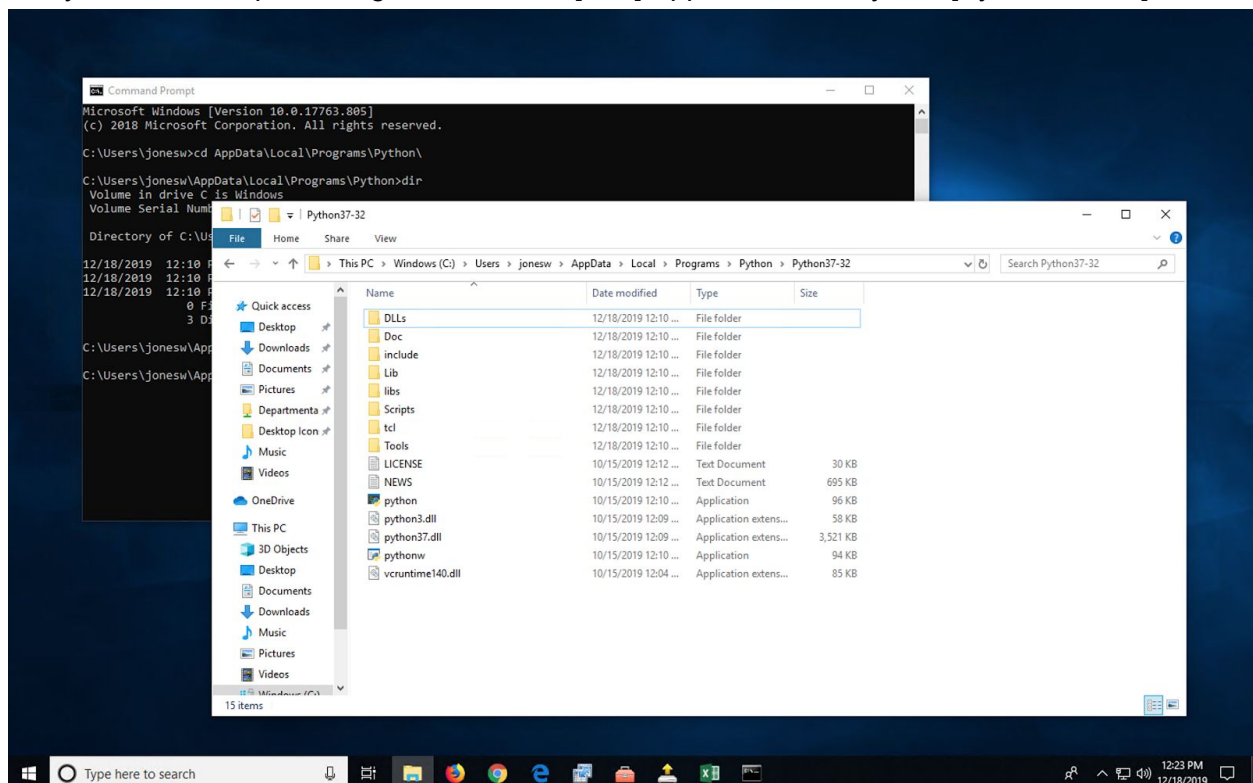
cd Python37-32



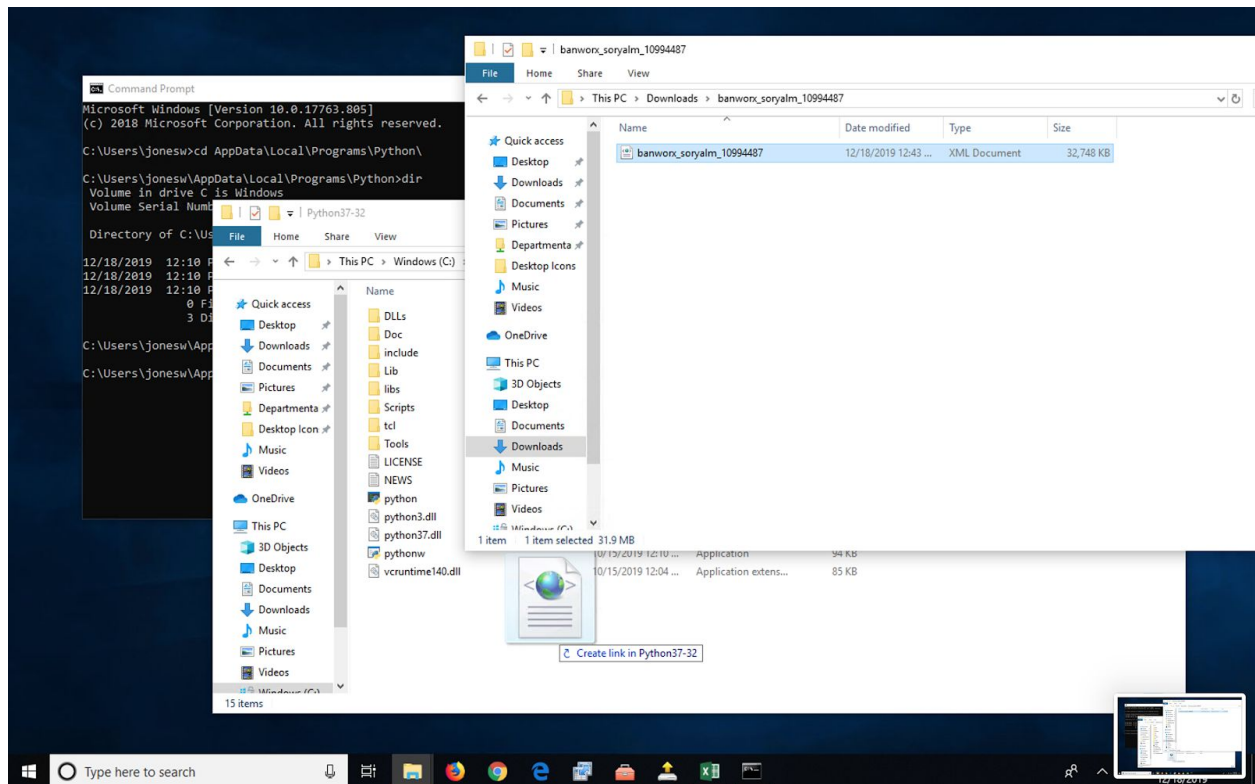
Now you need to place your XML file into the same folder location that you accessed in the Command Prompt. To do this, you'll need to show hidden files and folders. Go to Control Panel, then Folder Options, then the View tab, then enable Hidden Files and Folders:



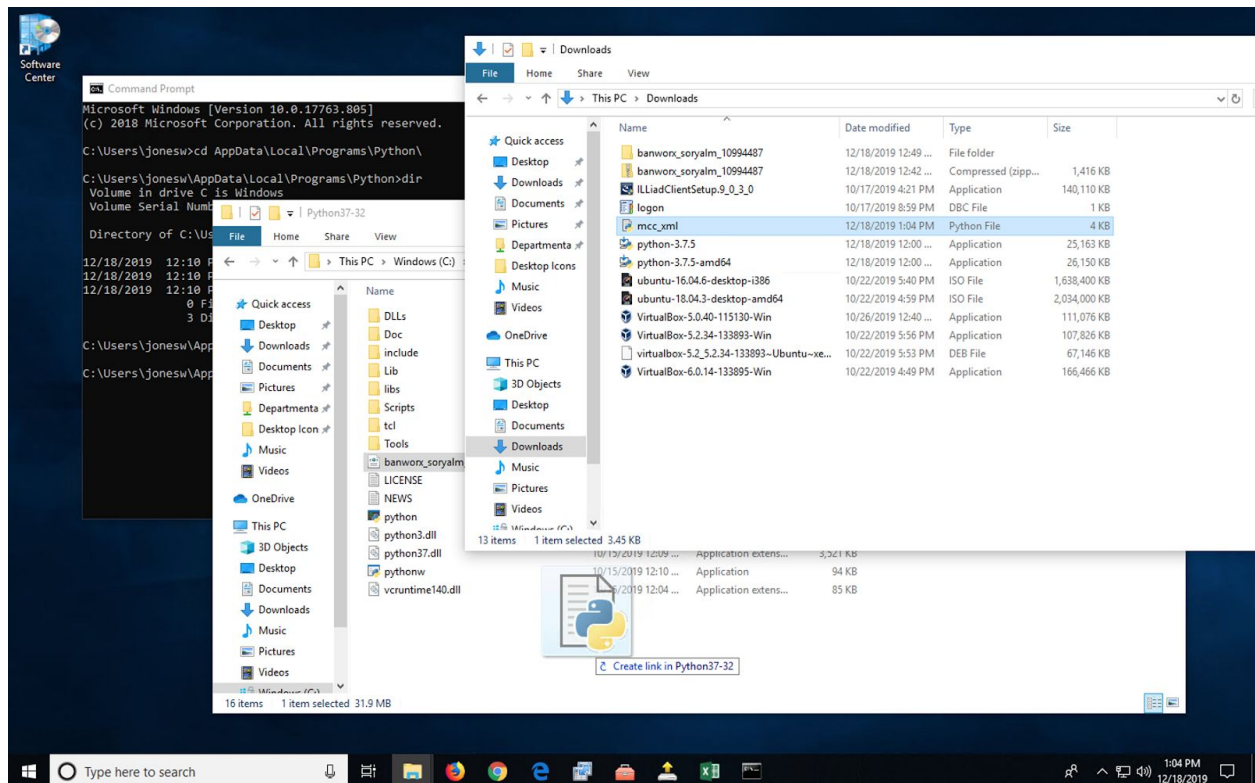
Use your Folder Explorer to get to C:\Users\[You]\AppData\Local\Python\[Python Folder]:



Then drag and drop your XML file into the Python folder:



And drag the Python script (in this case, mcc_xml.py) into that folder as well:



Now we need to type in the command into the Command Prompt to run the file. The command structure is three strings of characters that are each separated by a space. The first string is 'python' [this is the program], the second string is 'mcc_xml.py' [this is the Python file to use], and the third string is the 'banworx_soryalm_10994487.xml' [this is the name of the XML file to process].

The command looks like this:

```
python mcc_xml.py banworx_soryalm_10994487.xml
```

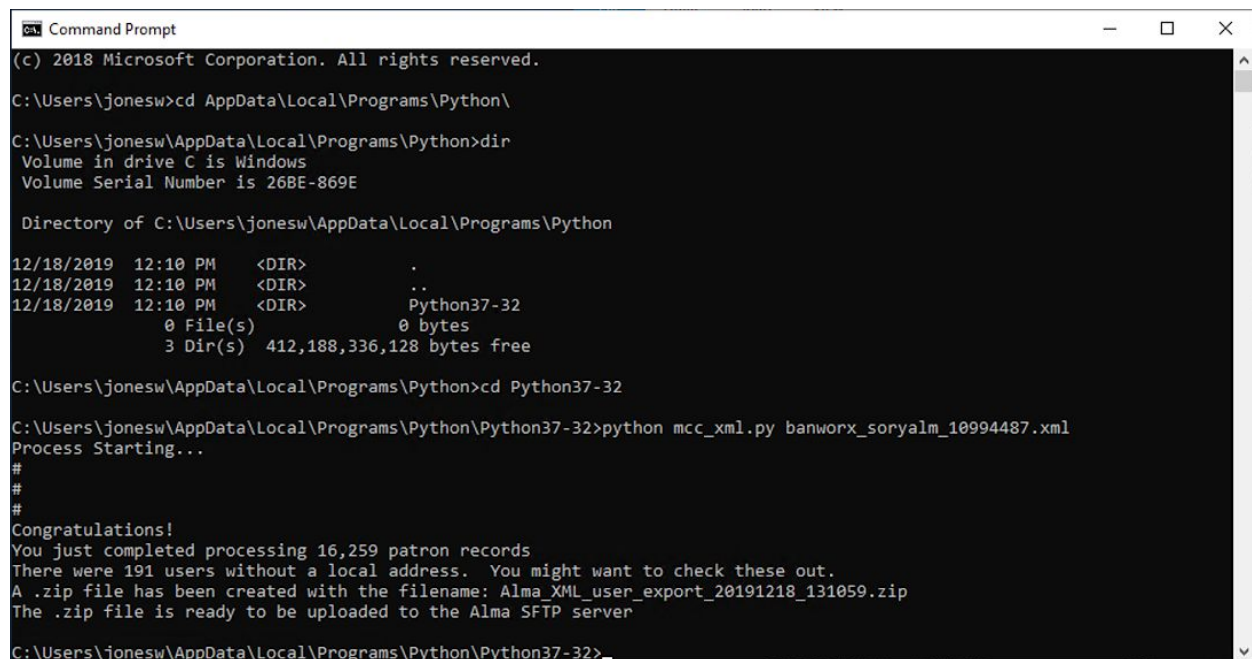
You can use the TAB key to autocomplete the second and third string. For instance, if you type 'python mcc' and press the TAB key, it will finish the second string with 'mcc_xml.py'. You can do this with the banworx file as well. If you type in 'python mcc_xml.py ban' and press the TAB key, it will finish the name of the file. If there are two files with similar names, you will need to type the characters in the string up to the part where the two file names are different for the TAB autocomplete to work.

Once you type in:

```
python mcc_xml.py banworx_soryalm_10994487.xml
```

Press the Enter key

You will then get a notice that the script has started and (hopefully) a confirmation message letting you know the number of records processed, and how many users did not have a local address:



```
Command Prompt
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\jonesw>cd AppData\Local\Programs\Python\
C:\Users\jonesw\AppData\Local\Programs\Python>dir
Volume in drive C is Windows
Volume Serial Number is 268E-869E

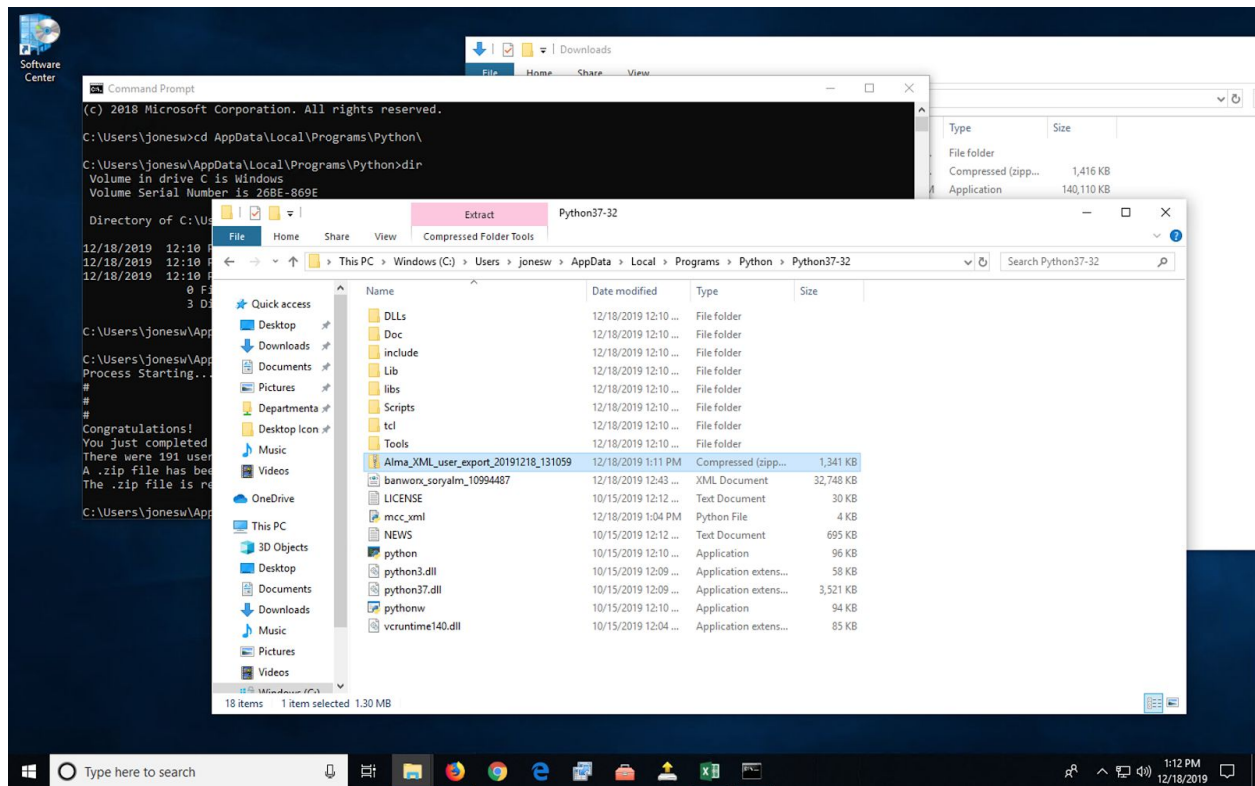
Directory of C:\Users\jonesw\AppData\Local\Programs\Python

12/18/2019  12:10 PM  <DIR>          .
12/18/2019  12:10 PM  <DIR>          ..
12/18/2019  12:10 PM  <DIR>          Python37-32
                0 File(s)                0 bytes
                3 Dir(s)  412,188,336,128 bytes free

C:\Users\jonesw\AppData\Local\Programs\Python>cd Python37-32
C:\Users\jonesw\AppData\Local\Programs\Python\Python37-32>python mcc_xml.py banworx_soryalm_10994487.xml
Process Starting...
#
#
#
Congratulations!
You just completed processing 16,259 patron records
There were 191 users without a local address. You might want to check these out.
A .zip file has been created with the filename: Alma_XML_user_export_20191218_131059.zip
The .zip file is ready to be uploaded to the Alma SFTP server

C:\Users\jonesw\AppData\Local\Programs\Python\Python37-32>
```

The exported .zip file will be in the Python folder for you to upload to Alma:



That's it!