

[illegible]

### 3. Find the location of python

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Open command window by typing cmd in search bar or terminal on mac

In cmd / terminal type  
where python

It will typically be in a path like this on Windows

C:

\Users\<username>\AppData\Local\Programs\Python\Python312\python.exe

DO NOT choose the default windows installation which is in the path

C:

\Users\<username>\AppData\Local\Microsoft\WindowsApps\python.exe

on Mac

/Library/Frameworks/Python.framework/Versions/3.11/bin/python3

4. Put the path in userset.txt

~~~~~

Now trying running test\_script.ttt

The code will not run but it will tell you that you need to add the python part in the userset.txt file. It will give you the path.

For me the path was

C:

\Users\<username>\AppData\Roaming\CoppeliaSim\userset.txt

on mac

/Users/<username>/CoppeliaSim/userset.txt

NOTE: On mac you can get this file by going to Finder >

Go > Go To Folder and typing /Users/

<username>/CoppeliaSim

Open the userset.txt and search for

“defaultPython = “

Here put the path. Something like this

defaultPython = C:C:

\Users\<username>\AppData\Local\Programs\Python\Python312\python.exe

or

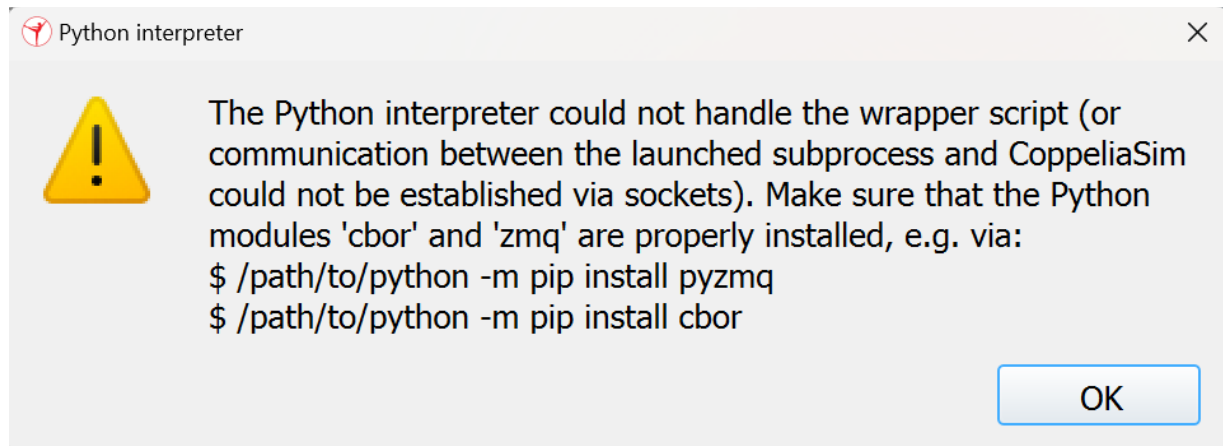
defaultPython = /Library/Frameworks/Python.framework/Versions/3.11/bin/python3

## 5. Setup pyzmq, cbor, and numpy

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Close CoppeliaSim and open it. Try running test\_script.ttt

It will not run and ask you to install cbor and pyzmq



Open command window using “cmd” in the search bar and type the following. Ensure you have an internet connection

C:

```
\Users\<username>\AppData\Local\Programs\Python\Python312\python.exe -m pip install pyzmq
```

or

```
/Library/Frameworks/Python.framework/Versions/3.11/bin/python3 -m pip install pyzmq
```

Once pyzmq installs then type in cmd

C:

```
\Users\<username>\AppData\Local\Programs\Python\Python312\python.exe -m pip install cbor
```

or

```
/Library/Frameworks/Python.framework/Versions/3.11/bin/python3 -m pip install cbor
```

Once cbor installs then type in cmd

C:

\Users\<username>\AppData\Local\Programs\Python\Python312\python.exe -m pip install numpy

or

/Library/Frameworks/Python.framework/Versions/3.11/bin/python3 -m pip install numpy

Once numpy installs close CoppeliaSim

You can also install other packages e.g., scikit-learn.

Simple replace pyzmq/cbor/numpy in the above example with the package name e.g., scikit-learn

6. Run the test\_script.ttt in CoppeliaSim to check installation

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Open CoppeliaSim. Then open the test\_python\_script.ttt. On the top horizontal panel press the icon which looks like the play button.

If the script runs fine, you will see the ball dropping on the floor and the visualization window just below the simulation printing these lines repeatedly

Python script running  
sin 0.5=0.479425538604203

You are all set.