

What is QtDesigner?

QtDesigner is a program made by the makers of Qt and PyQt that allows you to build GUI applications with drag and drop. Once you have built and saved the application you can run a command line tool that will turn your GUI into python code. This makes it very easy to create GUI's , especially simple ones.

Installing QtDesigner

QtDesigner comes with the pip package **pyqt5-tools** so if you installed it in the previous tutorials you're good to go.

Otherwise run the following command in your command prompt.

```
pip install pyqt5-tools
```

and if that doesn't work you can try:

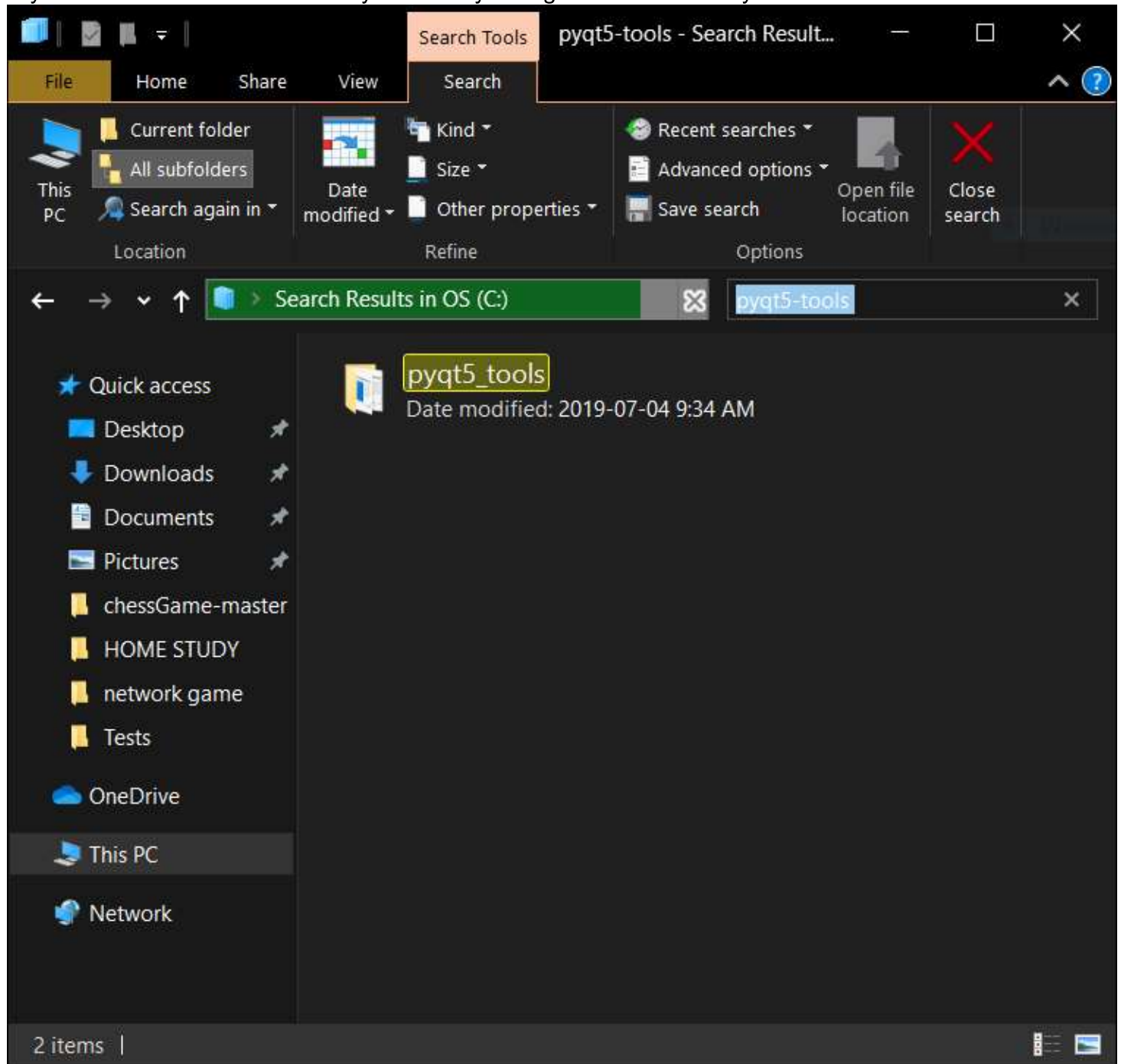
```
pip3 install pyqt5-tools
```

Running QtDesigner

Now that we have QtDesigner installed we actually need to find its install location on our computer. Unfortunately this is not that easy.

It should be located in your python install folder under > **Lib > site-packages > pyqt5-tool > designer**

If you are unable to locate this you can try doing a file search of your entire C drive.



From here simply scroll down until you find **designer**.

Search Results in This PC > PyQt5_tools

Name	Date modified	Type	Size
qintooling	2019-07-04 9:27 A...	File folder	
scenegraph	2019-07-04 9:27 A...	File folder	
sqldrivers	2019-07-04 9:27 A...	File folder	
styles	2019-07-04 9:27 A...	File folder	
tests	2019-07-04 9:27 A...	File folder	
translations	2019-07-04 9:27 A...	File folder	
__init__	2019-07-04 9:25 A...	Python File	0 KB
assistant	2019-07-04 9:25 A...	Application	1,199 KB
build_id	2019-07-04 9:25 A...	File	1 KB
canbusutil	2019-07-04 9:25 A...	Application	38 KB
concr140.dll	2019-07-04 9:25 A...	Application extens...	325 KB
D3Dcompiler_47.dll	2019-07-04 9:25 A...	Application extens...	4,077 KB
designer	2019-07-04 9:25 A...	Application	552 KB
dumpcpp	2019-07-04 9:25 A...	Application	204 KB

I would recommend creating a shortcut of this and placing it on your desktop.

Now you can launch the designer app and start creating a GUI.

Exporting Your GUI

Once you have created a GUI and want to export it to the python code you need to follow the steps below.

1. Save your work somewhere you can find it (you'll notice it saves as a .ui file).
2. Open up a command prompt window in that location.
3. Run the following:

```
pyuic5 -x "filename".ui -o "filename".py
```

Now you should see a file in that same directory as your .ui file that is "filename.py". You can open this and see that it contains the code used to create the GUI you made with drag and drop.