# Getting Started with Thonny

## Installing Thonny

- 1. Visit <u>https://thonny.org/</u>
- 2. Use the download links (highlighted in red) to get a Thonny installer for your operating system. To install on Linux, follow the instructions on the website.

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- 3. Locate the downloaded installer (.exe for Windows or .pkg for Mac)
- 4. Double click to run the installer
- 5. The default installation options are sufficient.

## First Time Configuration

- 1. Run the installed Thonny Application
- 2. Click the "Tools" menu and select "Manage packages..." to open the Thonny Package Manager



3. In the new Thonny Package Manager Window type the following in the textbox: PyQt5



#### 4. Click the "Find package from PyPI" button

	Find package from PyPI
stroid stroid sttokens olorama locutils cdsa sptool sort	<ul> <li>Install from PyPl         If you don't know where to get the package from, then most likely you'll want to search the Python Package Index. Start by entering the name of the package in the search box above and pressing ENTER.     </li> <li>Install from requirements file         Click here to locate requirements.txt file and install the packages specified in it.     </li> </ul>
edi azy-object-proxy nccabe nypy nypy-extensions umpy	Install from local file Click <u>here</u> to locate and install the package file (usually with .whl, .tar.gz or .zip extension). Upgrade or uninstall Start by selecting the package from the left.
igzero iggero igyaes ygame ylint wat5-sin	Target: user site packages This dialog lists all available packages, but allows upgrading and uninstalling only packages from <u>C:\Users\Drew\AppData\Roaming\Python\Python37\site-packages</u> . New packages will be also installed into this directory. Other locations must be managed by alternative means.

5. When the package is found, click the "Install" button. Installation could take a few minutes.

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<install> astroid asttokens colorama docutils ecdsa esptool isort jedi lazy-object-proxy mccabe mypy mypy-extensions numpy parso pgzero pip pyaes pygame</install>	PyQt5 Latest stable version: 5.15.0 Summary: Python bindings for the Qt cross platform application toolkit Author: Riverbank Computing Limited Homepage: https://www.riverbank.computing.com/software/pyqt/ PyPI page: https://pypi.org/project/PyQt5/ Requires: PyQt5-sip (>=12.8, <13)	ige from PyPi
pynnt pyqt5-sip pysorial		Close

- 6. Repeat steps 3-5 for a package named: pgzero
- 7. Once both packages are installed, close the Thonny Package Manager
- 8. Thonny is now ready for use.

#### Using media.py

- Download media.py here\_ http://csweb.wooster.edu/kbhowmik/cs102/week01/lecture01/media.py
- 2. Locate the downloaded media.py file
- 3. Place the media.py file in the same directory as your python code



- 4. Add the following line to the top of your python code in Thonny: import media
- Each time you want to use a JES function provided by media.py simply write: media.[function name]()

For example if you want to use the pickAFile function you would use the follow line of code: media.pickAFile()

6. Don't forget that the function names ARE CASE SENSITIVE (capitalization matters)! media.pickAFile() is not the same as media.PickAFile()