

### How to run Python in Garaventa 330

This should work on any PC (that has an icon for IDLE).

1. On desktop, there is a folder on the left side called Python 3. Double-click it.
2. That should open a folder with four things in it.

#### To open an IDLE session:

3. Double click on the IDLE icon or file name (on mine it is the top thing); it's called: Python 3.x IDLE (PythonGUI)
4. That should open a new window, called a `shell`
5. If it is a shell, you should see the `>>>` (You might have to hit return the first time.) You can type all the things the book has at the `>>>` here.

If you don't see that, you might be in the editor. You can change this in the options tab. You want a shell.

#### To create and save a file locally:

6. Open a new file: Under the **File** tab there will be a **New File** option. Click it.
7. That should open up a blank window called 'untitled'. You can type a `.py` file here. The `.py` files would be like one cell in the Colab notebook. It's all one thing. After you have finished typing your file:
8. You will need to save it: Under the **File** tab there will be a **Save** or **Save as** option. Either should work.
9. This should bring up a window that allows you to choose a folder and name the file. For now, choose the **desktop** folder (one of the options on the left). Name it whatever you named it. (First file is `helloClass.py`) The `.py` extension is important.

Where to save it is tricky. I tested it Monday in the classroom, and it looked like it did not save anything for long. But the best chance of saving it, is to keep it in the desktop. ITS told me it *might* be there next time you log into the same computer.

#### To run the file:

10. Under the **Run** tab there will be a **Run module** option. Click it.
11. This should run the file in the original shell window. A couple of things to notice:
  - (a) You'll see a double line with "RESTART". That means it restarts to kernel (like the runtime in Colab.) Anything you had there, like variable names or import libraries will be gone.
  - (b) The shell is now working in the same directory where you saved the file. (More on this later.)

### **How to save the file to google drive:**

At the end of the class period, or when you know you have a version you want to keep, you should save it somewhere secure. (As these machines are not.) Since we have been using google drive for the class, I'll describe how to save it to google drive. (You could also email it to yourself.)

1. Open a browser and log into google. (I almost always use Chrome.)
2. Go to your google drive directory and navigate to the folder you wish to save your files in. (If you haven't already, I'd create one called CS021 or similar.)
3. If you saved the files to your desktop as described above, you should be able to just drag and drop the file from the desktop to your open google drive folder.