

## Getting Started with Python for Mac Users

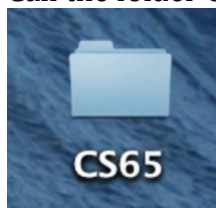
An IDE (Integrated Development Environment) is a tool that programmers use to create, run, and test new programs. It contains:

- a text editor that allows the input of the code
- a compiler (or interpreter) which will translate the code into a format the computer can execute
- an executable environment that will show the result of running the program

For this course, we will use the Python programming language along with Thonny, an IDE for creating Python programs.

### Step 1. Create a new folder on your desktop

Call the folder CS65

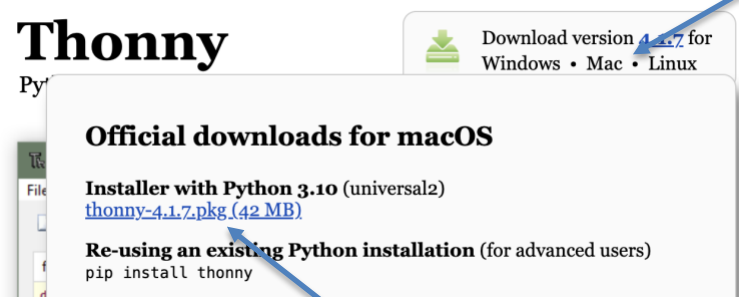


*Note that the folder doesn't **need** to be on your desktop, and doesn't **need** to be called "CS65". However, this is where you'll put the code you write for this course. It's important you know where the folder is on your computer.*

### Step 2. Download and Install the Thonny IDE

In a web browser, go to <https://thonny.org>

Hover over the "Mac" link



Then, click on the 'thonny-4.1.7.pkg' link

Double-click on the .pkg file that has been downloaded.

Agree to the term of installation, including all of the default values for installatino. After it is installed, Thonny will be available in your Applications/ folder.



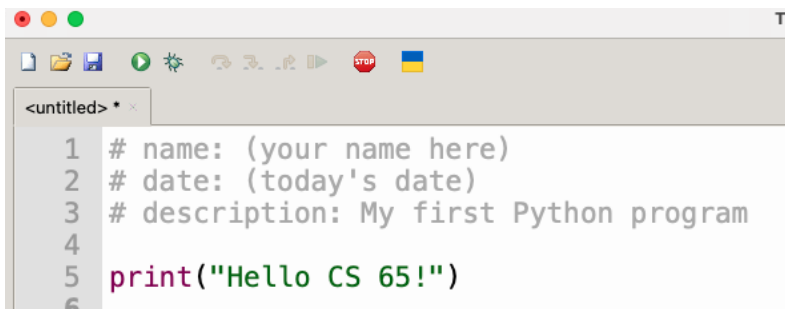
Thonny

After dragging the icon to install it, double click to open Thonny. At first run you may need to Ctrl-click Thonny icon and select "Open".


A confirmation dialog appears -- click "Open" again to run Thonny.

### **Step 3. Developing your First Python Program**

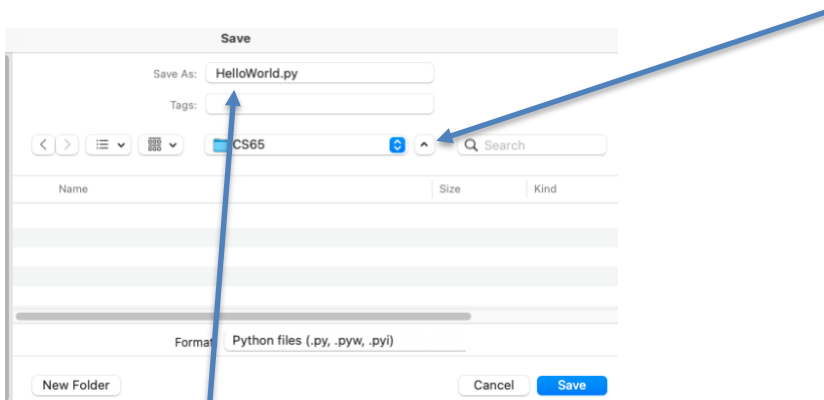
Type the following into Thonny:



```
<untitled> *
1 # name: (your name here)
2 # date: (today's date)
3 # description: My first Python program
4
5 print("Hello CS 65!")
6
```

Save the file by clicking the disk icon .

When prompted, save the file in your CS 65 folder on your desktop. *Note, you may need to expand the "Save" menu by pressing this button*



Name the file HelloWorld.py

Your file should look something like this:

```
HelloWorld.py ×  
1 # name: Tim Urness  
2 # date: January 28, 2025  
3 # description: My first Python program  
4  
5 print("Hello CS 65!")
```

Now, you can run the program by clicking on the “run” icon



The output shell should look something like:

```
Shell ×  
Hello CS 65!  
  
>>>
```

Congratulations!! You’ve written and run your first Python program!