

## Getting Started with Python for Windows Users

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

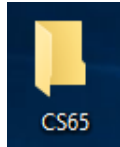
- a text editor that allows the input of the code
- a compiler (or interpreter) which will translate the code into a format the computer can execute
- a executable environment that will show the result of running the program

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

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

Create a new folder on your desktop. Rename 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 will put the code you write for this first project. 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>

Thonny 4 is dedicated to Ukraine fighting the Russian invasion.  
UA Please [support Ukraine!](#) UA

**Thonny** Download version **4.1.4** for Windows • Mac • Linux

**Official downloads for Windows**

Installer with **64-bit Python 3.10**, requires 64-bit Windows 8.1 / 10 / 11  
[thony-4.1.4.exe \(21 MB\)](#) ← recommended for you

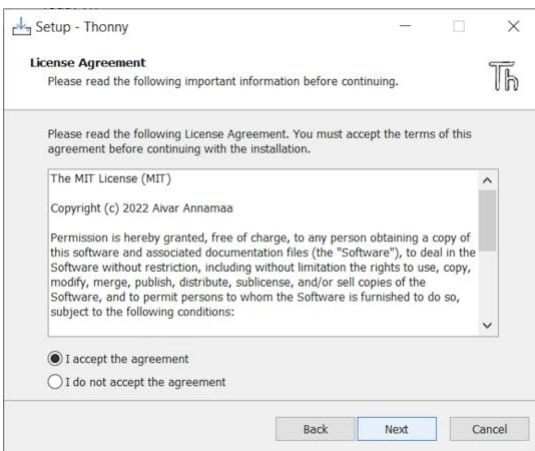
Hover over the “Download” link for Windows.

Then download the “Installer with 64-bit Python 3.10” file (or whatever version is recommended for you)

Follow the setup wizard for installing Thonny.

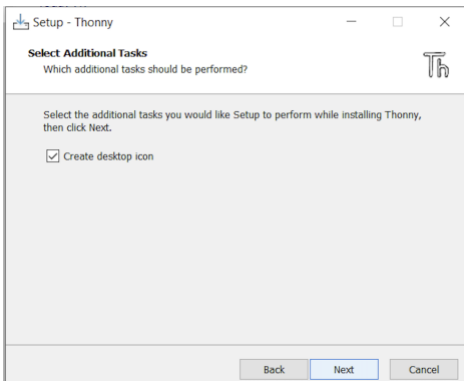


Click Next

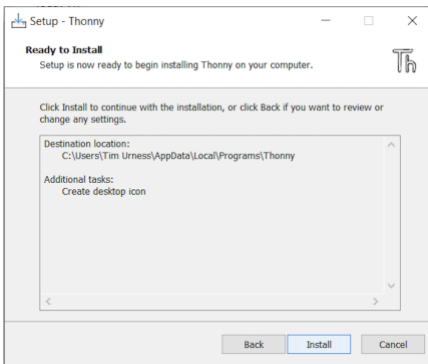


Accept the License Agreement and click Next...

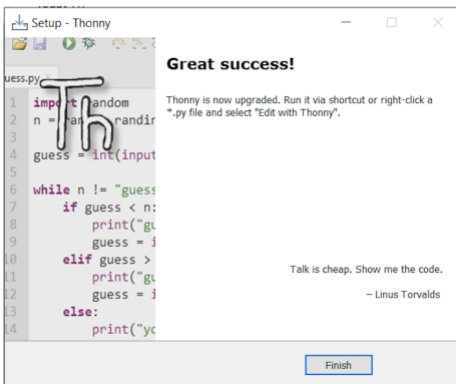
Continue on... keeping the default values and selecting "Next"



While not necessary, I'd recommend clicking the box to create a desktop icon



Accept the default destination location, and click Install.

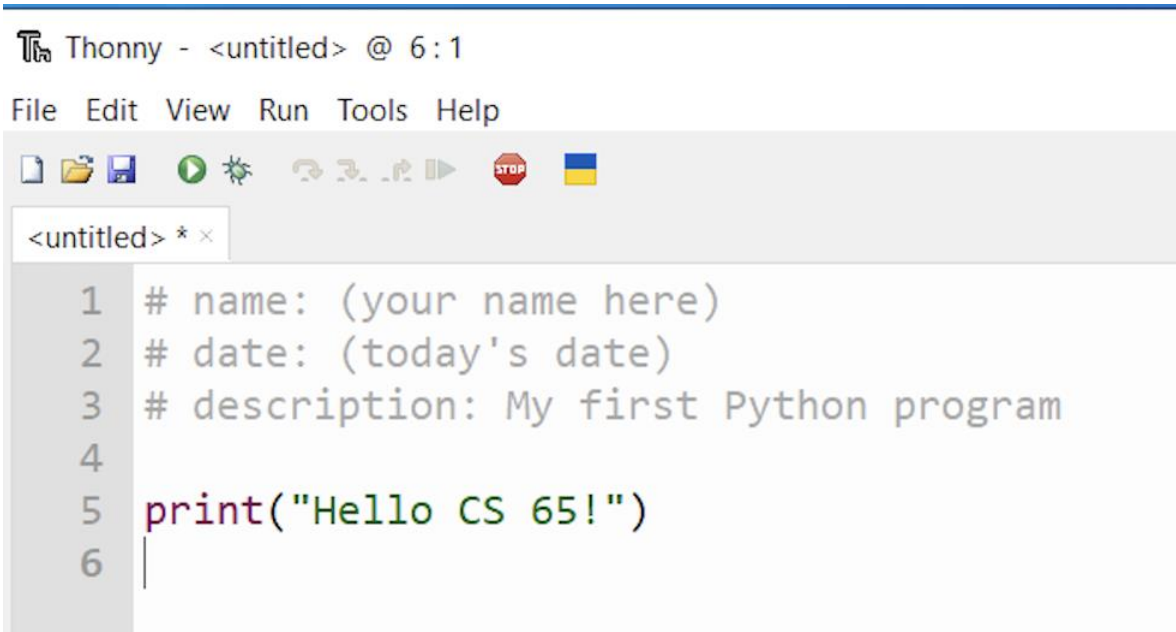


Double click on the Thonny icon to open the IDE.

Thonny

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

Type the following into Thonny:

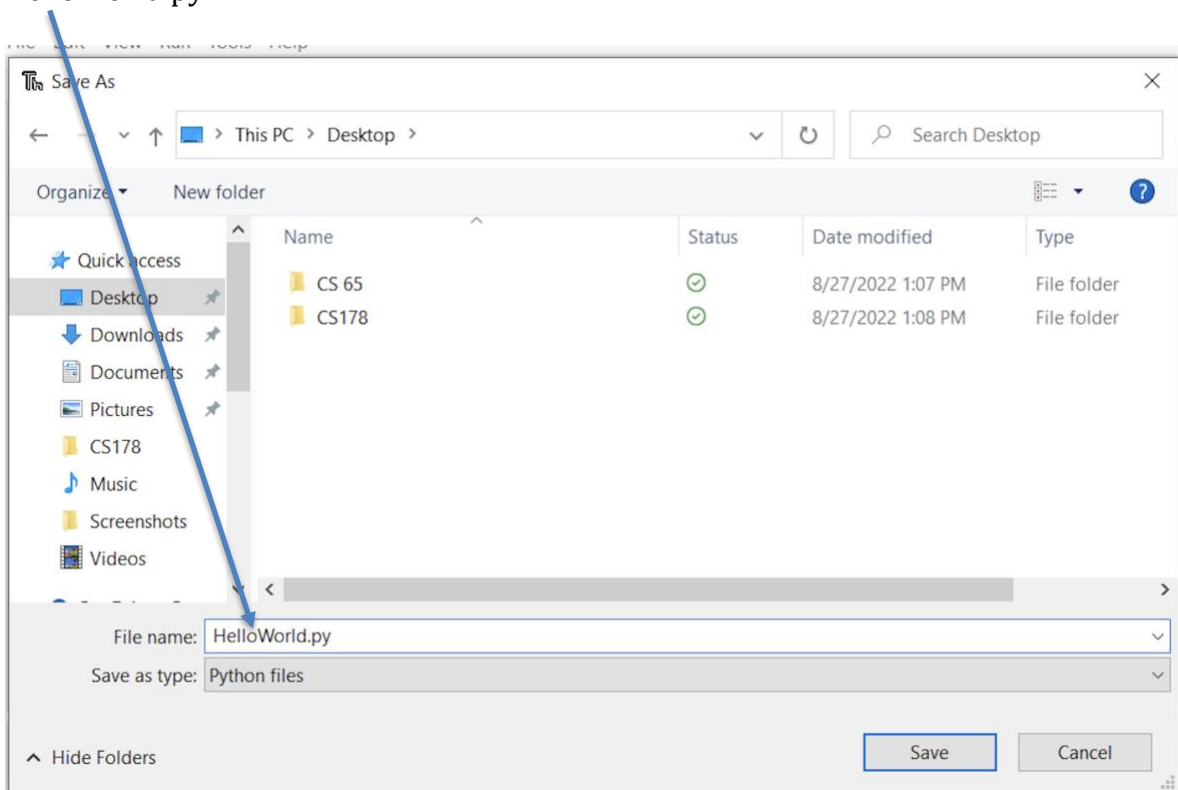



Your file should look something like this:

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

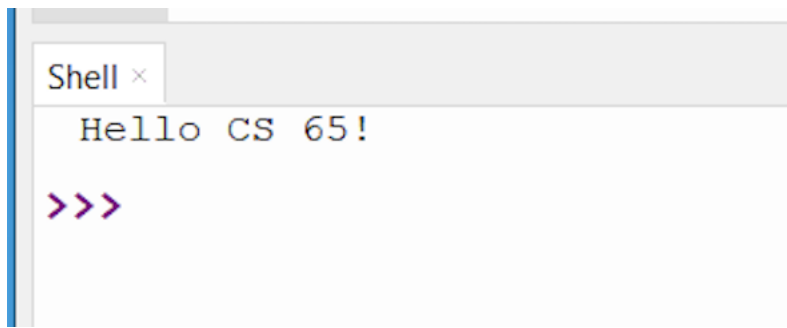
Save the file by clicking the disk icon .

When prompted, save the file in your CS 65 folder on your desktop. Name the file HelloWorld.py



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

The output shell should look something like:

A terminal window with a title bar that says "Shell x". The window contains the text "Hello CS 65!" on the first line and a purple prompt ">>>>" on the second line.

```
Shell x
Hello CS 65!
>>>
```

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