CS 65
Fall 2025

Lab 1: Hello World

Due date (section#1 and section#2): before next class on Tuesday, September 16th
Due date (section#3): before next class on Wednesday, September 17th
Total points: 4

Work through the following exercises and reflection questions. For credit on the lab, you only have to submit a very simple "Hello world!" program at the end of the lab (the "**Challenge Exercise**"), but working through the exercises will give you practice and help you in future labs and quizzes.

For example, the *reflection* questions are good example questions that may arise on a future content quiz component of the course. If you are unsure of your answer to a reflection question, discuss with your group or ask me, the professor.

Create a new file in Thonny. Save the file with the name Lab01.py and make sure it is in your CS65 folder you had created.

Exercise 1: Enter and execute this code:

Lab01.py

```
1  # author: (your name here)
2  # description: Lab #1 exercises
3
4  print("Hello")
5
```

Reflection #1: Is there a difference between `'Hello'` and `"Hello"`?

Exercise 2: What happens when you run each of the following lines?

```
print("Isn't it a nice day out?")
print('Isn't it a nice day out?')
```

Reflection #2:

- Why did the second one give you an error?
- Why do you think Python allows you to use both " and '?
- How can you get a " symbol to print?

Exercise 3: The following print statement contains text with a special symbol, `\n`, that does something strange.

```
print("here is some text\nhere is more text")
```

Reflection #3:

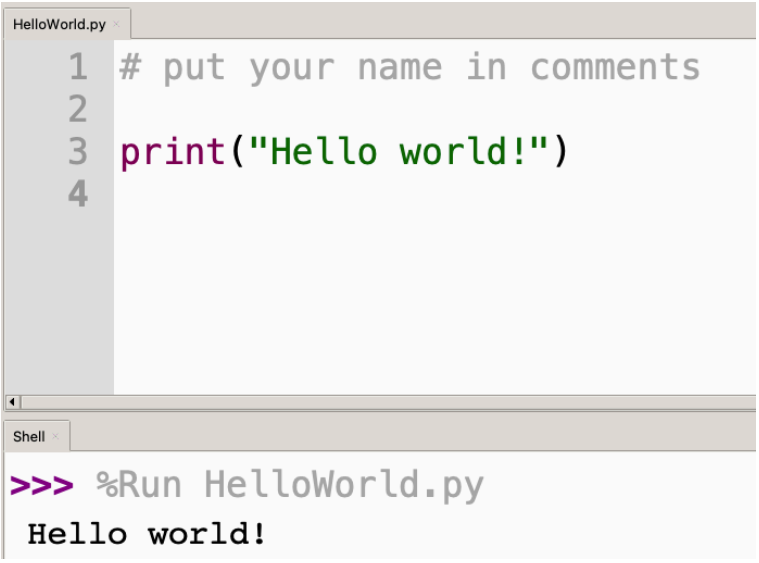
- `\n` is called the *newline* character. Why do you think it is called that?

Exercise 4: There are other special characters too. Experiment with these: `\t` and `\\`

Reflection #4:

- What do each of these do?
- Why do you think it is necessary for Python to support special text characters like these?

Challenge Exercise: For the points on this lab, create a new Python program (named HelloWorld.py) which displays the message "Hello world!". (notice the capitalization) When you run it in Thonny, it should look like this:



When you are finished, upload your HelloWorld.py file to the codePost **Lab1: Hello World** assignment.