

CS6502: Week 2 Lab Exercises

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Exercise 1

Labs in this week and next week are **unsupervised**. Your main task in this two weeks is to practice Python.

In Sulis class page, there is a forum “Labs (week 2)” created. In the forum, there are two topics:

- *Discussion*, use this topic to post your questions and discuss with your fellow classmates.
- *Submission*, where you submit your exercises.

Below are steps that you should follow for this week’s lab exercise.

1. If you don’t have Python installed, please install it first.
2. Read though the [The Python Tutorial](#), and practice each of the code snippets in your local Python IDE. You are expected to finish the following sections.
 - Whetting Your Appetite
 - Using the Python Interpreter
 - An Informal Introduction to Python
 - More Control Flow Tools
 - Data Structures
3. After previous step, please complete the following exercises.
 - Write a function to count the occurrences of each word in a given sentence.
 - With two given lists [1,3,6,78,35,55] and [12,24,35,24,88,120,155], write a function to make a list whose elements are intersection of the above given lists (please solve it without using `set`).
 - For the above exercise, write a function to solve it using `set`
4. Under *Submission* topic, start a new conversation.
 - Use your student Id as the conversation title.
 - Take a full screenshot of your IDE, and insert it to the Message section

- Zip all codes you wrote, and click “Add attachments” to attach it
- Click post, and your submission is completed.

5. END