

# COM S 127 - Lab Week 2 Grading Rubric

This lab was assigned for week 2 of the Fall semester

This lab is due by 11:59 p.m. of the sixth day after the student's initial lab meeting day

## Lab Objective

The objective of the lab is for students to confirm that they have installed the Python programming language on either their laptop or desktop computer, that they have installed an IDE such as VS Code, and that they have access to both the Runestone textbook and Piazza.

## Instructions

This lab will require students to submit a series of 'screenshots' via Canvas. These screenshots will demonstrate that students have obtained access to the required online resources, and that they have a computer with both Python and an Integrated Development Environment (IDE) installed. For this class, we recommend VS Code. However, if a student would like to use a different IDE this is acceptable.

### Folder for Submission:

All the screenshots should be bundled together in a zip file with the following name:

labWeek2

For example, if your is student123, then your folder should be called:

labWeek2student123

### Deliverables:

- A screenshot of Canvas (including netid/ username)
- A screenshot of Piazza (including the students name/ username/ netid)
- A screenshot of an IDE (including netid/ username and the text/ landing page of the Microsoft Python extensions if using VS Code)
- A screenshot of Python working (including netid/ username. This can be included in the IDE screenshot)
- A screenshot of Runestone (including ISU\_COM\_S\_127 course title and netid/ username)

There are a total of 4/ 5 screenshots to be submitted (depending on whether the Python/ IDE screenshot are taken together as in the example image)

### Important Notes:

Screenshots, when possible, should include some kind of identifying information unique to the student - whether it be a username, a given name, etc. For example, in both Canvas and Runestone, it is possible to click the 'Account' button to cause a 'flyout' with a username to be displayed. In Piazza, the students name should appear in the upper right hand corner. It is also acceptable for students to edit their

screenshots in a painting program to include their netid in the image.

If using VS Code, in order to demonstrate that VS Code is properly installed for this class, students should include the Microsoft Python extension text/ landing page from the 'Extensions' tab on the left hand side of the editor. If using a different IDE, just a screenshot of the IDE running is acceptable.

In order to confirm that Python is correctly installed, students should start a terminal and run the following command (PC):

```
python --version
```

Or, if using a Mac:

```
python3 --version
```

Please note that if using an IDE with an integrated terminal, such as VS Code (using CTRL+` to access it), the deliverable confirming the Python installation and the IDE installation can be the same screenshot.

When taking the screenshot for the Runestone textbook, the screenshot **MUST** include the ISU\_COM\_S\_127 course title in the upper left hand side.

## Readings:

After taking the relevant screenshots, please read the following sections in the Runestone textbook:

introduction to programming

- 1.1. The Way of the Program
- 1.2. Algorithms
- 1.3. The Python Programming Language
- 1.4. Executing Python in this Book
- 1.5. More About Programs
- 1.6. What is Debugging?
- 1.7. Syntax errors
- 1.8. Runtime Errors
- 1.9. Semantic Errors
- 1.10. Experimental Debugging
- 1.11. Formal and Natural Languages
- 8.9. Algorithms Revisited

print function

- 1.12. A Typical First Program

comments

- 1.13. Comments

input function (beginner)

- 2.8. Input

### Resources:

Review the resources below to learn how to take screenshots and make zip files:

How to take screenshots (PC/ Mac): <https://www.webwise.ie/parents/take-screenshot/>

How to make zip files (PC/ Mac): <https://www.wikihow.com/Make-a-Zip-File>

## Files Provided

- canvas\_example.PNG
- piazza\_example.PNG
- python\_ide\_example.PNG
- runestone\_example.PNG

## Example Output

Please see the four example files in the labWeek2 directory for example screenshots.

## Grading Items

- (Attendance) Was the student present at the lab or had made arrangements to attend virtually?: \_\_\_\_\_ / 5
- (Canvas Access) Has the student demonstrated their Canvas access with a screenshot?: \_\_\_\_\_ / 5
- (Piazza Access) Has the student demonstrated their Piazza access with a screenshot?: \_\_\_\_\_ / 5
- (Python Installation) Has the student demonstrated their Python installation with a screenshot?: \_\_\_\_\_ / 5
- (IDE Installation) Has the student demonstrated that they have installed an IDE (such as VS Code) with a screenshot?: \_\_\_\_\_ / 5
- (Runestone Academy Access) Has the student demonstrated their Runestone Academy access with a screenshot?: \_\_\_\_\_ / 5

**TOTAL** \_\_\_\_\_ / 30