Lab Assignment Week 01

CSC 1301 - Principles of Computer Science

August 2023

Introduction

Welcome to the first programming lab for CSC 1301! In today's lab, we will be covering the following topics:

- Logging into the lab computers.

- Accessing lab content on iCollege.

- Setting up your programming environment.

- Executing a Python program.

- Submitting assignments on iCollege.

- Accessing the textbook (Zybook).

We will also be going over the lab policies and procedures.

- Attendance is mandatory.

- Labs must be completed **individually**.

- TAs are here to help you. Ask them!

- Lab assignments are due at the end of each lab.

Deliverables:

1. A screenshot of you successfully executing a Pyton Program.

If you have any questions, please do not hesitate to ask your TA. I am excited to get started learning Python with you!

1   How to use the lab computer

All GSU students have a university domain account created for them when they first enroll at the university. To access any public use computer on campus, you can log-in using your Campus ID and password. This is the same Campus ID and password used to log into PAWS, iCollege and the GSU Wi-Fi.

- Logging in can typically take a minute or two when it is the first time you have used the computer.

- Although you use the same log-in for all university computers, your files are **not** shared between computers!

- Back up your lab assignments! (Dropbox, Google Drive, etc).

My advice would be to sit at the same computer all semester.

2   How to get the lab assignments

For today's lab, you will need to download the python file uploaded to iCollege. In the future, you will need to download the lab assignment and any supporting files at the start of each lab.
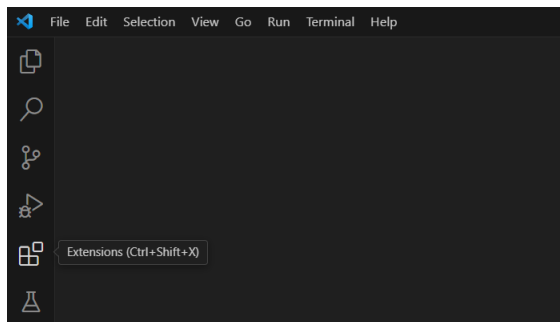
Here are the steps:

1. Go to `https://icollege.gsu.edu/` in your favorite browser.

2. Log-in using your Campus ID and password.

3. Go to our class - Principles of Computer Science I.

4. Click on the **Assessments** tab.

5. Select on **Assignments**.

6. Open the Week 1 Lab Assignment.

7. Download the attached python file.

Your favorite browser should put the file into the downloads folder on the lab computer.
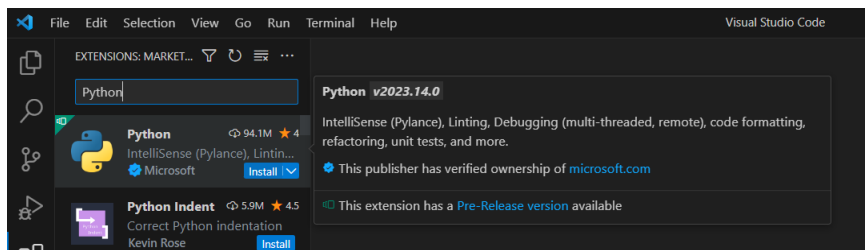
3 Setting Up Visual Studio Code

Before you can begin writing your first programs, you will need to set up your Integrated Development Environment (IDE). An IDE is a software application that provides a complete set of tools for writing, editing, debugging, and testing software. IDEs typically include a text editor, a compiler or interpreter, a debugger, and a variety of other tools. IDEs can be very helpful for programmers, as they can save time and effort by providing a single place to do all of the tasks involved in software development.

1. First, you will need to open Visual Studio Code on your computer.

2. Next, you will need to install the Python Extension

3. Open the Extensions panel. (Shortcut: Ctrl+Shift+X)
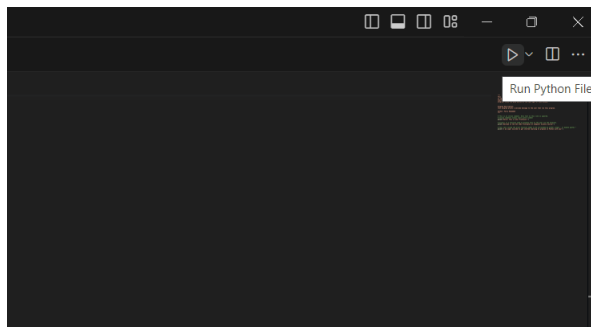

4. Search for "Python"

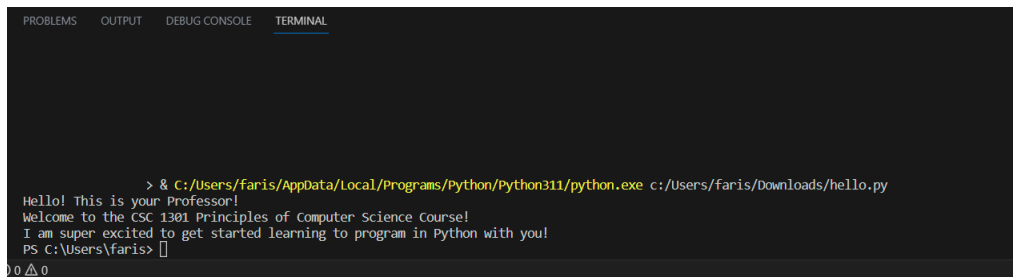5. Install the extension by Microsoft

4 Testing Visual Studio Code

Now that you have installed the Python extension for Visual Studio Code, we need to test it to make sure you can run the programs you will write in the future. You will use the hello.py file that you downloaded from iCollege. hello.py is a small python program that you

1. Open the hello.py file in Visual Studio Code

2. Click the run button in the top right of the window.

3. You should see the terminal appear with the welcome message.

4. Take a screenshot of your entire screen after successfully running hello.py.

5   How to access our Textbook

If you have not bought the textbook and joined the Zybooks course, here are the instructions for signing up:

1. Sign in or create an account at learn.zybooks.com

2. Enter zyBook Code: GSUCSC1301HenryFall2023

3. Join your section of 1301 (There are 3)

   - Section 1301a - Monday/Wednesday 11:00am
   - Section 1301b - Tuesday/Thursday 2:15pm
   - Section 1301c - Tuesday/Thursday 11:00am

4. Enter your Panther ID # as the Student ID

5. Subscribe

6   Submitting lab assignments

When you complete your lab assignments, call over your TA to verify that you have successfully completed the assignment. Then upload your screenshot or program to the iCollege assignment for the current week's lab.

Here are the steps:

1. Go to `https://icollege.gsu.edu/` in your favorite browser.

2. Log-in using your Campus ID and password.

3. Go to our class - Principles of Computer Science I.

4. Click on the **Assessments** tab.

5. Select on **Assignments**.

6. Open the Week 1 Lab Assignment.

7. Attach your screenshot to the submission.

8. Click Submit