



COMP 1112
Coding Lab #1

This lab is to be completed at home.

This lab is due Sunday, January 14th at 5pm ET, late submissions will not be accepted.

This lab must be uploaded to blackboard before Jan 14th at 5pm ET.

Plagiarism is the presentation of someone else's work as your own. Any help you get to complete this assignment should be general guidance only, submitting work that is completed or directly influenced by a third party or information copied from the internet is considered plagiarism. Plagiarism will result in an academic misconduct which will result in a zero in the work completed or a zero in the course.

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Instructions

Read the entire document carefully, failure to do so may result in loss of grades. Once completed you will submit a **SINGLE PDF document** to Blackboard.

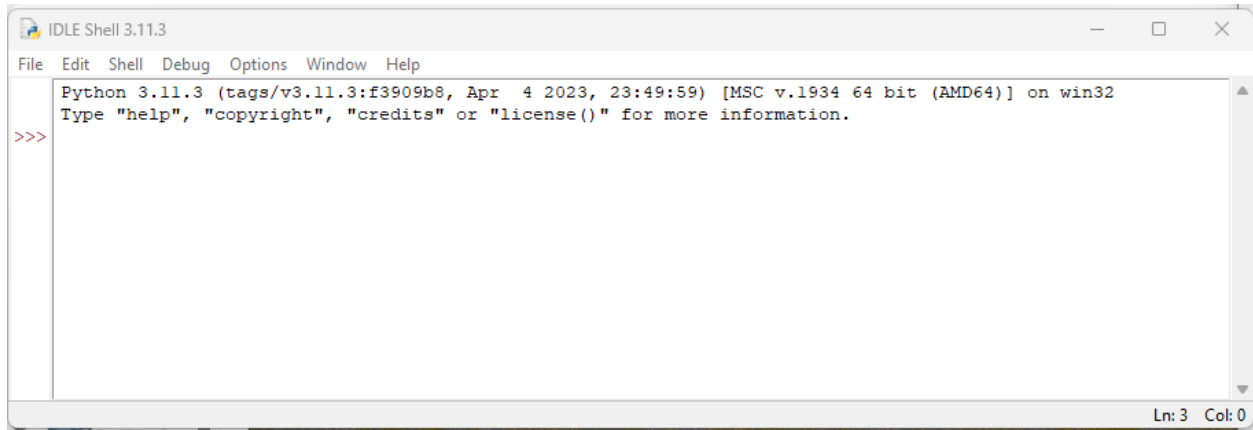
Part A 10 Points

Step 1: Download Python latest version from: <https://www.python.org/downloads/>

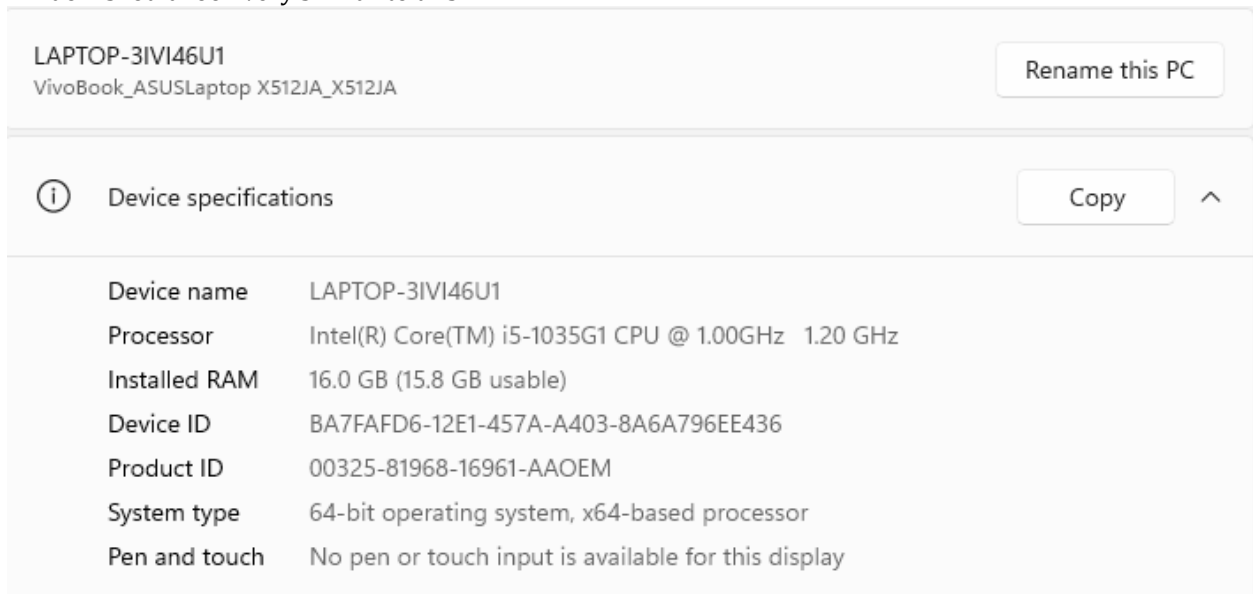
Step 2: Follow the prompts to install python on your laptop. (be sure to check the checkbox regarding PATH)



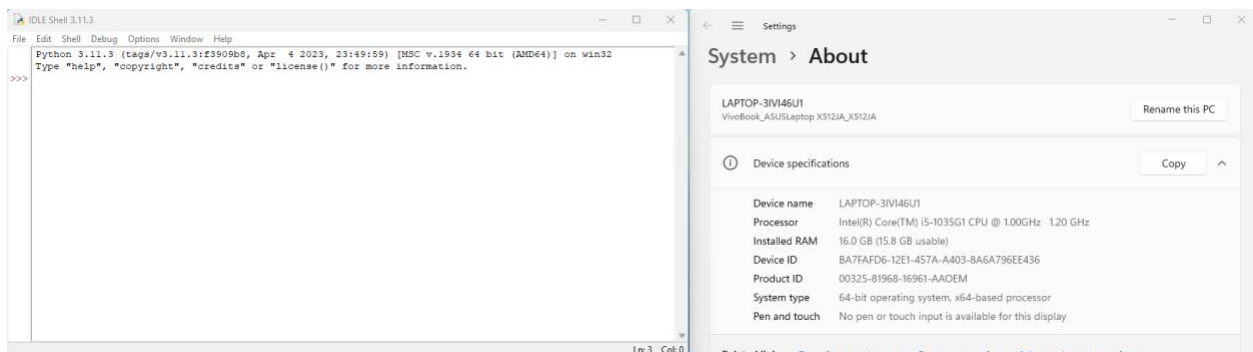
Step 3: Confirm that python is installed correctly by launching the Python interactive terminal window. This window looks like this:



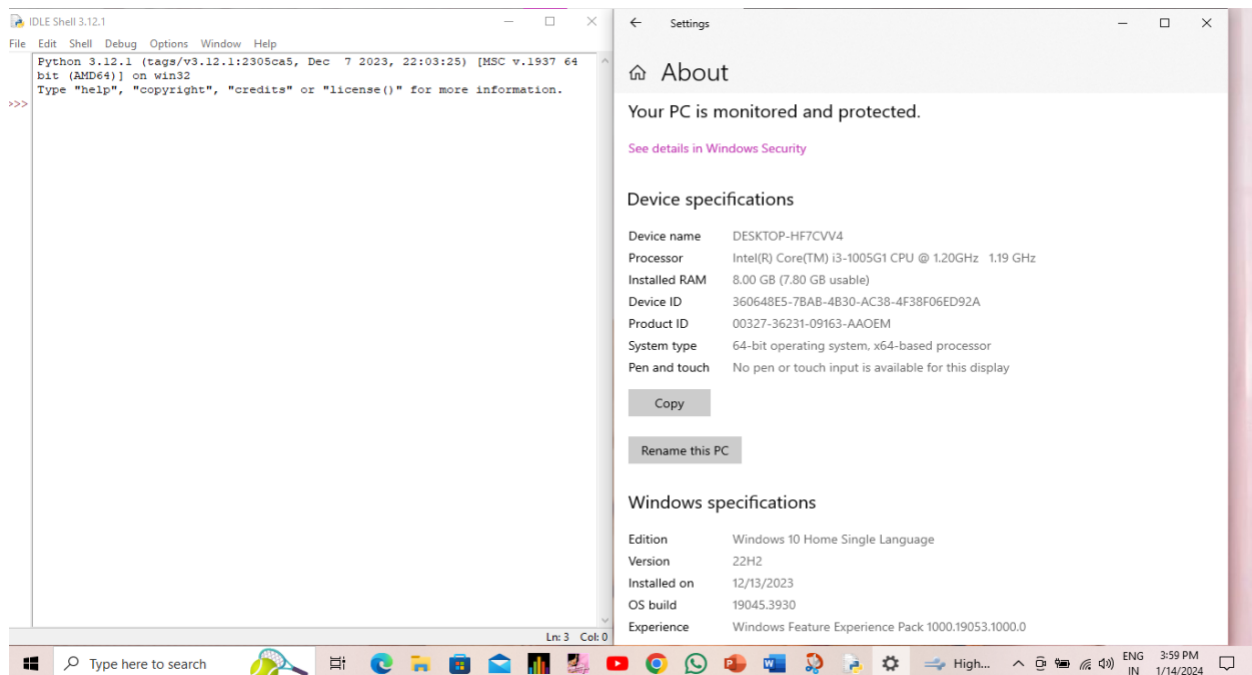
Step 4: Type “about your PC” into the windows search field and press enter. The “system > about” pop up window should look very similar to this:



Step 5: Place the IDLE interactive window and the “System>about” window next to one another on your screen and take a screen shot of both and paste below. Your screen show should look similar to this:



PASTE YOUR SCREEN SHOT HERE:



Part B 10 Points

Step 1: Below is a list of python commands, read each command and predict as best you can what the result will be (**this is not about getting the right answer, but instead thinking about what the right answer may be**).

Step 2: Type each command into the python interactive editor and **hand write** the result in the table.

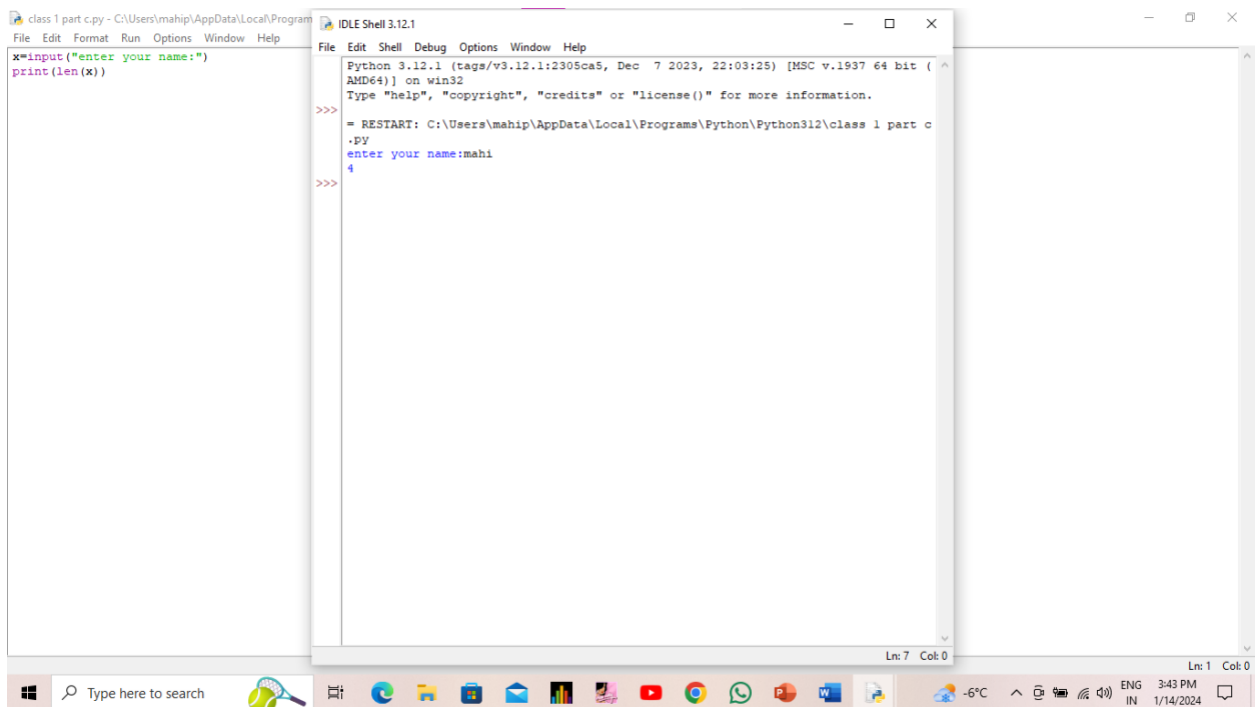
Step 3: Review what you predicted vs what the actual output was and identify those commands that you may need to practice.

Command	Predicted Output	Actual output	Need to study (yes/no)
3 + 4	7	7	NO
34//5	6.2	6	NO
3 + "4"	No output	No output	NO
"5" + "7"	57	57	NO
6 * 5	30	30	NO
"4" * 5	44444	44444	NO
12%10	1.2	2	NO
variableOne = 5	5	5	NO
variableTwo = 4	4	4	NO
variableOne * variableTwo	20	20	NO

Part C 10 Points

Write a program which will ask the user for their first name, then print the number of characters in their first name.

Paste a screen shot of your code **and** the output here:



The screenshot displays a Python IDE with two windows. The left window, titled 'class 1 part c.py', contains the following code:

```
x=input("enter your name:")
print(len(x))
```

The right window, titled 'IDLE Shell 3.12.1', shows the execution output:

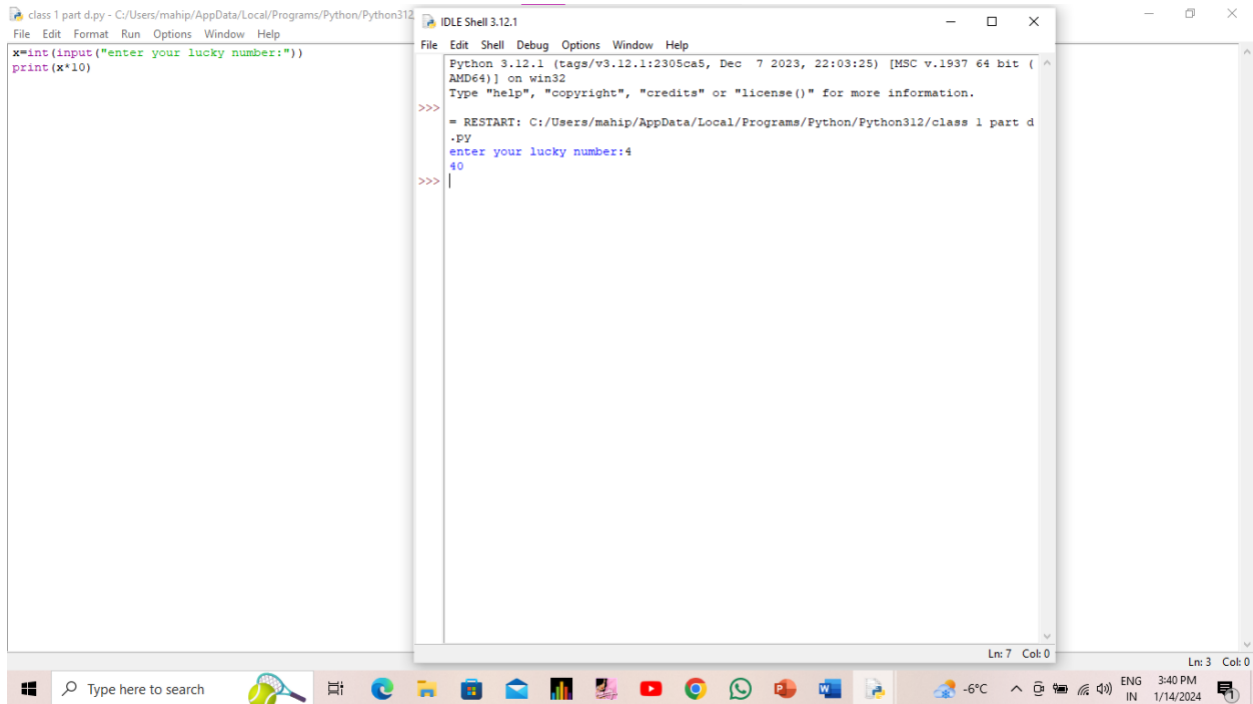
```
Python 3.12.1 (tags/v3.12.1:2305ca5, Dec 7 2023, 22:03:25) [MSC v.1937 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\mahip\AppData\Local\Programs\Python\Python312\class 1 part c
.PY
enter your name:mahi
4
>>>
```

The taskbar at the bottom shows the Windows search bar, task view button, and several application icons. The system tray on the right indicates a temperature of -6°C, the time as 3:43 PM, and the date as 1/14/2024.

Part D 10 Points

Write a program which will ask the user for their lucky number. Now print their luck number multiplied by 10.

Paste a screen shot of your code **and** the output here:



The screenshot displays a Python IDE with two windows. The left window, titled 'class 1 part d.py', contains the following code:

```
x=int(input("enter your lucky number:"))
print(x*10)
```

The right window, titled 'IDLE Shell 3.12.1', shows the execution output:

```
Python 3.12.1 (tags/v3.12.1:2305ca5, Dec 7 2023, 22:03:25) [MSC v.1937 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> = RESTART: C:/Users/mahip/AppData/Local/Programs/Python/Python312/class 1 part d
.py
enter your lucky number:4
40
>>>
```

The taskbar at the bottom shows the Windows search bar, taskbar icons for various applications, and system tray information including temperature (-6°C), time (3:40 PM), and date (1/14/2024).

Submission Instructions

- Complete Part A and paste the appropriate screenshot into this document.
- Complete Part B table
- Complete Part C and paste the appropriate screenshot into this document.
- Complete Part D and paste the appropriate screenshot into this document.
- Save the document as a SINGLE PDF.
- Upload the document into blackboard before the deadline. Triple check to make sure you are uploading the correct document. Once a document is uploaded it cannot be resubmitted.

Grading Penalties

- | | |
|-------------------------------|-------|
| • Late submission | -100% |
| • Wrong file format submitted | -25% |
| • Multiple files uploaded | -25% |