For this lab, and every lab: comment your code to explain how it works. If you use/adapt code from the internet, or get help from another person, you must add comments with the source of the code.

Reading:

Chapter 1 https://automatetheboringstuff.com/2e/chapter1/

Code:

Write two programs for this lab.

1. **Number of Credits**

Write a program that uses input to ask for your name. Save the name in a variable.

Next, ask for the number of credits you are taking this semester. The number of credits is an integer number, so convert it to an int and save this number in a **int** variable.

Print a message with both variables. You will need to convert the number of credits to a string to print it.

For example, if your name was 'Sam' and you are taking 7 credits, your program will print 'Sam is taking 7 credits this semester'.

If someone else runs your program, it should print a message for them. So if a user called 'Miriam' used your program, and was taking 12 credits, the program will print 'Miriam is taking 12 credits'.

Test your program with different names and different number of credits.

2. **Travel Expenses** Write a program that calculates the amount of money spent on bus fares last month.

- Ask the user for the number of times they rode the bus last month (what data type do you need to convert the input to?) and save in a variable.
- Ask the user for the cost of one bus ride (what data type do you need to convert the input to?) and save in another variable.
- Calculate the total cost of riding the bus last month. Multiply the two variables and store the result in a new variable.
- Print the number of rides, the cost of one bus ride, and the total cost for the user. Convert numeric variables to strings.

For this problem, you can ignore transfers, and rush-hour fares, and just assume every bus ride costs the same.

Example output would look like this: 'You rode the bus 8 times last month. One bus ride costs $2. Your total cost was $16'

or 'You rode the bus 3 times last month. One bus ride costs $1.75. Your total cost was $5.25'

To submit:

Upload the two .py files to the Lab 2 assignment dropbox. How to submit your lab work, video: How to turn Lab 1, and how to turn in Lab 2 - submitting Python code to an assignment dropbox

Any questions on what to do, how to get started, or how to submit the lab? Please ask me ASAP.