Lab 0 (10 points) **Due date:** May 15, 2024, 11:59 PM ET

Overview: This assignment will get you started with the basic tools needed to complete your assignments for this class. The main goal is to ensure that you have correctly installed Python 3, VS Code and Git on your computer. In addition, it will give you practice (or remind you) using a text editor to write and run Python programs. It might seem a bit difficult now, especially if you are new to Git, but will quickly become second nature as we move further into the course, and you keep practicing. If you need any help with the completion of this assignment, please feel free to come to office hours or post your questions/issues on Teams.

The submission of this assignment means that you have successfully installed Python 3, VS Code and Git in your computer and have created your GitHub account. Access to Gradescope has been granted to all students enrolled in the class with their preferred email in their Canvas account.

Ask questions regarding this assignment using our Lab 0 channel in Microsoft Teams

Vocabulary Review:

- A precondition is something that must be true at the start of a function in order for it to work correctly, in other words, the function tells you “this is what I expect from you”
- A postcondition is something that the function guarantees is true when it finishes. In other words, the function tells you “this is what I promise to do for you”.

Question #1: `sum_evens(num_list)` **10 pts**

Takes a list of integers and returns the accumulated sum of all the even numbers present in the sequence. -- A number that is divisible by 2 and generates a remainder of 0 is called an even number.

Preconditions:

num_list --> list: a non-empty list of integers

Postconditions:

returns --> float: the sum of even numbers in num_list

You must use a loop, you are not allowed to declare new Python lists, use the sum() method, recursion or list comprehension

Examples:

```
>>> sum_evens([1,5,-3,5,359,8,14,-25,1000])
1022.0
>>> sum_evens([14,5,-3,5,9,8,14,7,-846])
-810.0
>>> sum_evens([-8,-4,1,2,3,4,5,6,12])
12.0
```