

## Fall 2021 Python Lesson 9.3

Dr. O'Brien Herbert Lehman High School 6 April 2022



### Do now

Get out your notebook/binder. Write down the date and goal. Be sure to...copy the definition to the right and then answer the questions below:

- Why is it important that both for loops and lists start indexing at 0?
- Why might we want to go through a list one item at a time?

Traversal (review)
The process of looping through a string or list and accessing each element sequentially

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class: Python goal: HDW effectively use for loops to traverse a Python list?

- 1. Why is it important that both for loops and lists start indexing at 0? This allows us to use the variable i inside the for loop as our indexing value to go through each item in a list.
- 2. Why might we want to go through a list one item at a time? we may want to find out how many of a certain character is present inside our list, replace all of a certain item in a list, etc. (Answers may vary)



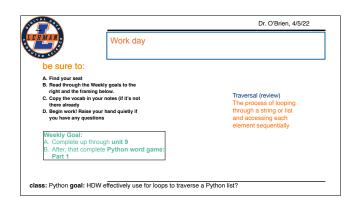
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#### framing

- what: effectively use for loops to traverse a Python list
- why: there are many situations where's important to access each item in a list
- where to: Using special methods for lists.

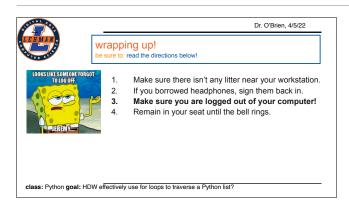
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 Make sure students are working quietly. See CodeHS problem guides for specific Python activities.

Frequently asked questions:

- +I don't know what to do!?! Make sure to carefully read the instructions. Take notes when watching the video.
- +What are you trying to do with your program? answers will vary, direct student to assignment instructions.
- +how can I figure out why my code doesn't work? Try getting out a piece of paper, and following your commands yourself. What do you draw. Where do things go wrong?
- +What do I do if I forget a command? See the docs section of CodeHS.





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# Cell phone distro be sure to: Carefully read the directions below

- a. Students will receive their phones at the end of 9th period and 10th period.
- b. Students without a phone may leave class immediately. All other students should remain seated. Once a student collects their phone, they should exit the classroom.
- c. Students must show their ID, program, or a notebook with their name on it to receive their phone.

class: Python goal: HDW effectively use for loops to traverse a Python list?