



## Fall 2021 Python Lesson 9.3

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Herbert Lehman High School  
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Dr. O'Brien, 4/5/22

### 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

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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Work day

be sure to:

- A. Find your seat
- B. Read through the Weekly goals to the right and the framing below.
- C. Copy the vocab in your notes (if it's not there already)
- D. Begin work! Raise your hand quietly if you have any questions

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

Weekly Goal:  
A. Complete up through unit 9  
B. After, that complete Python word game: Part 1

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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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wrapping up!  
be sure to: read the directions below!



1. Make sure there isn't any litter near your workstation.
2. If you borrowed headphones, sign them back in.
3. **Make sure you are logged out of your computer!**
4. Remain in your seat until the bell rings.

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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?