Chapter 7 Assignment

Instructions

Assignment Requirements

- Create a folder on your computer named **chapter 7** and save the programs below in it.
- Start each program with your **name and SPC ID# in a comment**.
- Plan each program by writing pseudocode.
- Write all lines of your pseudocode as comments immediately after your name and SPC ID# comment.
- Add more comments as needed in each program to explain what your code is doing.
- Choose descriptive variable names and function names in all programs.
- Before submitting this assignment, refer to the grading rubric to maximize your earned grade points.
- When done, right-click on your **chapter 7** folder and select "Send to" --> "Compressed (zipped) folder". This will make **chapter7.zip**.
- Upload and submit chapter7.zip to this drop box.
- Type your collaboration statement into the message area of the drop box.

1. Write a single program named **mylist.py** as follows. Follow instructions carefully to avoid point deductions.

In the main function:

- create a list that holds the surnames of recent USA presidents, starting with Kennedy and ending with Obama, in chronological order.
- use a for loop to iterate over the entire list, printing each president's name on its own line.
- make a slice by removing the first two presidents and the last two presidents from the list.
- pass the new slice as an argument to a custom function named **playlist**.
- use a while loop to display the elements in the list returned by playlist.

In the playlist function:

- print the size of the sliced list. Use a list function.
- sort the sliced list in reverse alphabetical order.
- return this list to main.

Sample Output

```
Original list in main:
Kennedy
Johnson
Nixon
Ford
Carter
Reagan
Bush
Clinton
Bush
Obama
Not in main: list size is now 6
Back in main, list in reverse alpha order
```

Reagan
Nixon
Ford
Clinton
Carter
Bush

Submissions

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Activity Details

Task: Submit to complete this assignment

Due Jul 5, 2015 11:55 PM *Starts Jun 29, 2015 1:00 AM*

Assessment

Python Programs