**Hypothes.is Assignment: (2 pts)** Make an annotation on a resource that assisted you in performing this assignment.

**Individual Homework Activity:**

**Step 1: Getting Data for Your List**

First, download the movies.txt file from LibreTextand read the data for the list in from the file. Print out everything in the list to verify that your program is working. Now add code to add the item **Top Gun** at the end of the list. Print out the list again to verify that your program is working.

Hint: You can count the number of movies in the file, or you can use the following lines of code to count the number of entries in the file:

inFile = open('movies.txt','r') **#opens the file for you**

num\_lines = sum(1 for line in inFile) **#gives the sum of each line in the movies.txt file**

**Step 2: Printing the Number of Items in a List**

Now print the number of items in the list with the special function for doing that. Verify that your program is working.

**Step 3: Detecting if an Item Is in a List**

Now determine if **Adventures in Babysitting** is in the list the quickest way possible and print YES if it is in the list or NO if it’s not in the list.

**Step 4: Indexing**

Use indexing to print the 5th item in the list.

**Step 5: Reversing a List**

Write code that reverses the list and print the new list out.

**Step 6: Sorting a List**

Write code to sort the list so the movies are in order alphabetically. Print out the sorted list.

**Step 7: Inserting Items**

Write code to insert the movie **Spaceballs** as the 6th item in the sorted list. Print out the list.

**Step 8: Removing Items**

Remove **Ferris Bueller’s Day Off** from the list and print the list**. Hint: the apostrophe of the movie name is a special character. Hint but not the answer:** [**https://stackoverflow.com/questions/14104728/not-able-to-print-statements-with-apostrophe-in-it-in-python-invalid-syntax-e**](https://stackoverflow.com/questions/14104728/not-able-to-print-statements-with-apostrophe-in-it-in-python-invalid-syntax-e)

**Step 9: Deleting Items**

Delete the item at the 5th position in the new list from step8 and print out the list.

**Step 10: Locating an Item**

Print the position in the list of **The Goonies**.

Your program must contain documentation lines that include your name, the date, a line that states “Py11 Individual Homework” and a description line that indicates what the program is supposed to do. Take a screenshot of the program and its output and attach to this document. Upload this document and the program to Google Drive.