Name: Namisha Singh

Lesson 3: Working with Lists

1. **Create a list of 5 of your favorite tv shows.**

shows = ‘[Breaking Bad’, ‘The Office’, ‘The Resident’, ‘Jane the Virgin’, ‘You’]

1. **Print the list in its original order.**

print(shows)

Output was: ['Breaking Bad', 'The Office', 'The Resident', 'Jane the Virgin', 'You']

1. **Use the sorted() function to print the list in alphabetical order. How is sorted() different from sort()?**

print(shows)

shows.sort()

print(shows)

Output was: ['Breaking Bad', 'Jane the Virgin', 'The Office', 'The Resident', 'You']

Sort() is different from sorted() because sort() sorts the list and replaces the original list, whereas sorted() returns a sorted copy of the list, without changing the original list.

1. **Print out your original list.**

shows = ‘[Breaking Bad’, ‘The Office’, ‘The Resident’, ‘Jane the Virgin’, ‘You’]

print(shows)

1. **Used sorted() to print your list in reverse alphabetical order.**

shows= ['Breaking Bad', 'The Office', "The Resident", "Jane the Virgin", "You"]

print(shows)

print(sorted(shows, reverse=True))

Output was: ['You', 'The Resident', 'The Office', 'Jane the Virgin', 'Breaking Bad']

1. **Create a message indicating how many favorite TV shows you have – use the len() function.**

shows= ['Breaking Bad', 'The Office', "The Resident", "Jane the Virgin", "You"]

print(shows)

message= "I have " + str(len(shows)) + " favorite TV shows."

print(message)

Output was: I have 5 favorite TV shows.