Name: Vivian Huang

Lesson 3: Working with Lists

1. Create a list of 5 of your favorite tv shows.   
   favorite\_tv\_shows = [‘the office’, ‘bojack horseman’, ‘uncanny encounter’, ‘friends’, ‘march comes in like a lion’]
2. Print the list in its original order.  
   print(favorite\_tv\_shows)
3. Use the sorted() function to print the list in alphabetical order. How is sorted() different from sort()?  
   print(favorite\_tv\_shows)  
   favorite\_tv\_shows.sort()  
   print(favorite\_tv\_shows)  
     
   vs.

print(favorite\_tv\_shows)  
print(sorted(favorite\_tv\_shows))  
print(favorite\_tv\_shows)  
  
Sorted is a temporary sort while sort is a permanent one

1. Print out your original list.  
   print(favorite\_tv\_shows)
2. Used sorted() to print your list in reverse alphabetical order.  
   print(favorite\_tv\_shows)  
   favorite\_tv\_shows(reverse=True)  
   print(favorite\_tv\_shows)  
     
   or   
     
   print(favorite\_tv\_shows)  
   favorite\_tv\_shows.reverse()  
   print(favorite\_tv\_shows)
3. Create a message indicating how many favorite TV shows you have – use the len() function.  
   print(favorite\_tv\_shows)  
   len(favorite\_tv\_shows)  
   print(“The amount of favorite tv shows I have is”, len(favorite\_tv\_shows)  
     
   or  
     
   print(“i have ” + str(len(favorite\_tv\_shows)) + “ favorite shows”)