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Lesson 3: Working with Lists

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

My\_fav\_shows = ["You", "How to get away with murder", "Pretty little liars", "Shameless", "Big sky"]

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

My\_fav\_shows = ["You", "How to get away with murder", "Pretty little liars", "Shameless", "Big sky"]

print((My\_fav\_shows))

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

My\_fav\_shows = ["You", "How to get away with murder", "Pretty little liars", "Shameless", "Big sky"]

print(sorted(My\_fav\_shows))

Using sorted() is basically creating a new list that contains a list of it is given. But using sort() is modify the list and cannot return back to the original list.

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

My\_fav\_shows = ["You", "How to get away with murder", "Pretty little liars", "Shameless", "Big sky"]

print(sorted(My\_fav\_shows))

print(My\_fav\_shows)

because sorted() is temporary and it doesn’t modify the variables.

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

My\_fav\_shows = ["You", "How to get away with murder", "Pretty little liars", "Shameless", "Big sky"]

My\_fav\_shows.sort()

My\_fav\_shows.reverse()

print(My\_fav\_shows)

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

My\_fav\_shows = ["You", "How to get away with murder", "Pretty little liars", "Shameless", "Big sky"]

a=str(len(My\_fav\_shows))

print("I have "+ a +" favorite TV shows.")