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Lesson 3: Working with Lists

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

```
shows = ["Courage", "Spongebob", "Breaking Bad", "Over the Garden Wall",
"idk"]
```

2. Print the list in its original order.

```
print(shows)
```

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

```
print(sorted(shows))
```

The sorted() function is different from the sort() method because sorted() is an independent function that temporarily sorts the list, not changing the composition of the list but sorting it on the console. In contrast, the sort() method is a method of the List class which internally sorts the elements in the list object, permanently changing the composition of the structure.

4. Print out your original list.

```
print(shows)
```

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

```
print(sorted(shows,reverse=True))
```

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

```
message = "I have " + str(len(shows)) + " favorite shows!"
```