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Lesson 3: Working with Lists

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

```
tv_shows = ["Twin Peaks", "Selenia", "Celia", "Money Heist", "Elite"]  
print (tv_shows)
```

```
['Twin Peaks', 'Selenia', 'Celia', 'Money Heist', 'Elite']
```

2. Print the list in its original order.

```
['Twin Peaks', 'Selenia', 'Celia', 'Money Heist', 'Elite']
```

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

```
tv_shows.sort()  
print(tv_shows)  
  
['Twin Peaks', 'Selenia', 'Celia', 'Money Heist', 'Elite']  
['Celia', 'Elite', 'Money Heist', 'Selenia', 'Twin Peaks']  
  
#tv_shows.sort is permanent  
(sorted(tv_shows)) temporary
```

4. Print out your original list.

```
print(tv_shows)

['Celia', 'Elite', 'Money Heist', 'Selena', 'Twin Peaks']
```

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

```
print(tv_shows)

tv_shows.reverse()

print(tv_shows)

['Twin Peaks', 'Selena', 'Money Heist', 'Elite', 'Celia']
['Celia', 'Elite', 'Money Heist', 'Selena', 'Twin Peaks']
```

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

```
message = "I do have " + str(len(tv_shows)) + "favorite tv shows"

print(message)
```

I do have 5favorite tv shows

```
print(tv_shows)

len (tv_shows)

['Celia', 'Elite', 'Money Heist', 'Selena', 'Twin Peaks']

5
```