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Lesson 3: Working with Lists

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

```
tv_shows=["Friends","Doctor Who","Buffy the Vampire Slayer","Teen Wolf","The
    Flash"]
```

2. Print the list in its original order.

```
tv_shows=["Friends","Doctor Who","Buffy the Vampire Slayer","Teen Wolf","The
    Flash"]

print(tv_shows)
```

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

```
tv_shows=["Friends","Doctor Who","Buffy the Vampire Slayer","Teen Wolf","The
    Flash"]

print(sorted(tv_shows))
```

```
Sorted()function is used to temporarily sort the list. Sort() function is
permanent and will not return to the original sequence.
```

4. Print out your original list.

```
tv_shows=["Friends","Doctor Who","Buffy the Vampire Slayer","Teen Wolf","The
    Flash"]

print(tv_shows)
```

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

```
tv_shows=["Friends","Doctor Who","Buffy the Vampire Slayer","Teen Wolf","The
    Flash"]

print(tv_shows)

tv_shows.sort(reverse=True)

print(tv_shows)
```

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

```
tv_shows=["Friends","Doctor Who","Buffy the Vampire Slayer","Teen
    Wolf","The Flash"]

print(tv_shows)

len(tv_shows)
```