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Lesson 3: Working with Lists

1. Create a list of 5 your favorite shows.

shows = ["The office", "Black mirror", "Peaky blinders", "Attack on Titan", "Friends"]

2. Print the list in its original format.

print(shows)

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

shows = ["The office", "Black mirror", "Peaky blinders", "Attack on Titan", "Friends"]

print(shows)

print(sorted(shows))

```
['The office', 'Black mirror', 'Peaky blinders', 'Attack on Titan',
'Friends']
['Attack on Titan', 'Black mirror', 'Friends', 'Peaky blinders', 'The
office']
```

The difference is that sorted() does not change the original list, while sort() does not return anything but changes the original list.

4. Print out your original list.

shows = ["The office", "Black mirror", "Peaky blinders", "Attack on Titan", "Friends"]

print(shows)

print(sorted(shows))

print(shows)

```
['The office', 'Black mirror', 'Peaky blinders', 'Attack on Titan',
'Friends']
['Attack on Titan', 'Black mirror', 'Friends', 'Peaky blinders', 'The
office']
['The office', 'Black mirror', 'Peaky blinders', 'Attack on Titan',
'Friends']
```

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

shows = ["The office", "Black mirror", "Peaky blinders", "Attack on Titan", "Friends"]

print(shows)

print(sorted(shows))

print(sorted(shows, reverse = True))

```
['The office', 'Black mirror', 'Peaky blinders', 'Attack on Titan',
'Friends']
['Attack on Titan', 'Black mirror', 'Friends', 'Peaky blinders', 'The
office']
['The office', 'Peaky blinders', 'Friends', 'Black mirror', 'Attack on
Titan']
```

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

shows = ["The office", "Black mirror", "Peaky blinders", "Attack on Titan", "Friends"]

print(len(shows))