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Lesson 3: Working with Lists

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

```
fav_shows = [  
    'Party of Five'  
    , 'The Outsider'  
    , 'Sanditon'  
    , 'The New Pope'  
    , 'Schitt\'s Creek'  
]
```

2. Print the list in its original order.

```
for i in fav_shows:  
    print(i)
```

```
Party of Five  
The Outsider  
Sanditon  
The New Pope  
Schitt's Creek
```

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

```
sorted_shows = sorted(fav_shows)  
  
for i in sorted_shows:  
    print(i)  
  
# sort() is an in-place operation  
# sorted() uses o(n) extra space
```

```
Party of Five  
Sanditon  
Schitt's Creek  
The New Pope  
The Outsider
```

4. Print out your original list.

```
for i in fav_shows:  
    print(i)
```

```
Party of Five  
The Outsider  
Sanditon  
The New Pope  
Schitt's Creek
```

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

```
rsorted_shows = sorted(fav_shows, reverse=True)  
for i in rsorted_shows:  
    print(i)
```

```
The Outsider  
The New Pope  
Schitt's Creek  
Sanditon  
Party of Five
```

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

```
print(f'I have {len(fav_shows)} favorite TV shows.')
```

```
I have 5 favorite TV shows.
```