MEMBERSHIP TESTS

List Basics

List Operations

Modifying Lists

List Functions & Methods

Nested Lists

Copying Lists

Tuples

Ranges

Since lists are iterable data types, you can conduct **membership tests** on them

```
sizes_in_stock = ['XS', 'S', 'L', 'XL', 'XXL']

'M' in sizes_in_stock
```

```
False
```

*'M' is not an element in **sizes_in_stock**, so False is returned*

```
if 'M' in sizes_in_stock:
    print("I'll take the medium please.")
elif 'S' in sizes_in_stock:
    print("It'll be tight but small will do.")
else:
    print("I'll wait until you have medium.")
```

```
It'll be tight but small will do.
```

*'M' is not an element in **sizes_in_stock**, but 'S' is, so the print function under elif is executed*