



# STRING INDEXING

String Basics

String Arithmetic

Indexing & Slicing

String Methods

F-Strings

Strings, along with sequence data types, can be navigated via their **index**

- Python is **0-indexed**, which means that the first item in a sequence has an index of 0, not 1

```
message = 'I hope it snows tonight!'
```



message

0	I
1	
2	h
3	o
4	p
...	
22	t
23	!

```
message[0]
```

```
'I'
```

```
message[1]
```

```
' '
```

```
message[2]
```

```
'h'
```

*String[index] returns a specified character:*

- *String[0] returns the first character*
- *String[1] returns the second character*
- *String[2] returns the third character*



**Indexing is a critical concept to master for data analysis**, and while the 0-index can be confusing at first, with practice it will be second nature