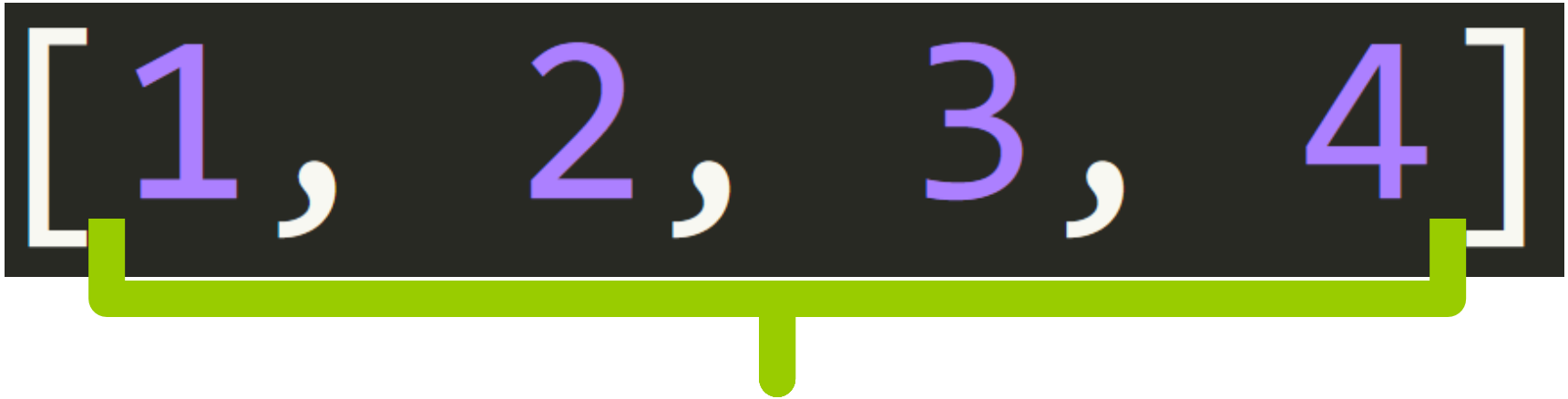
Topic

Lists 101

Lists 101

- Sequence of items



Lists 101

- Enclosed within **Square Brackets**.

```
[1, 2, 3, 4]
```

Lists 101

- Can store values of **different** data types.

```
[1, "hi", [1, 2, 3]]
```

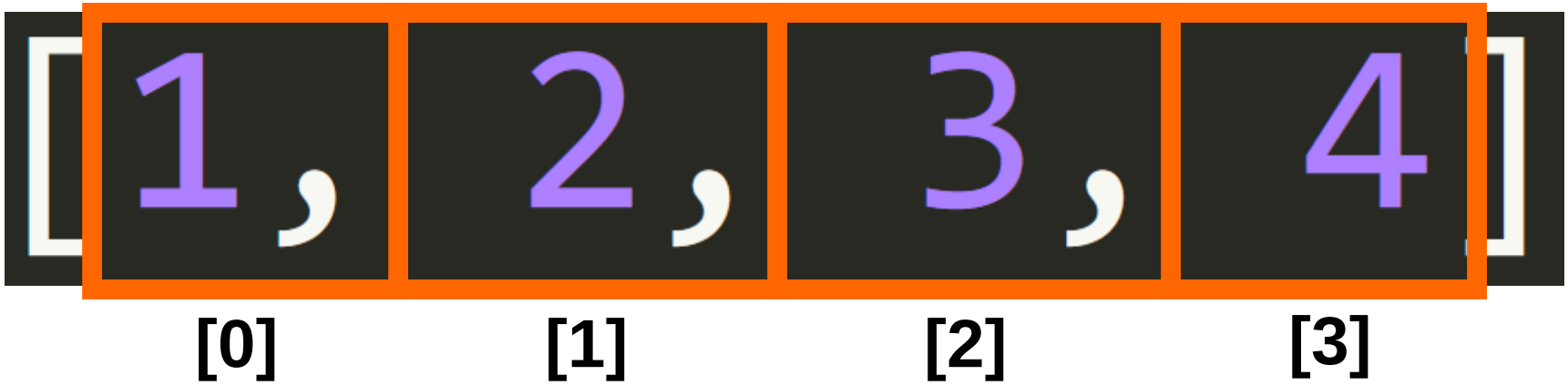
Lists 101

- Lists can be **assigned** to variables.

```
a = [1, 2, 3, 4]
```

Lists 101

- Items are accessed using **indices**.



Lists 101

- Items are accessed using **indices**.

```
<listVar>[<index>]
```

Lists 101

```
<listVar>[<index>]
```

```
a = [1, 2, 3, 4]
a[2]  # value: 3
```

Lists 101

- Lists are **Mutable**. You can reassign items.

```
a = [1, 2, 3, 4]

a[2] = "hi"

# Now a is:
# [1, 2, 'hi', 4]
```

Lists 101

- Lists can be used in **for loops**.

```
a = [1, 2, 3, 4]

for item in a:
    print(item)
```

Lists 101

Link

- Lists have **methods**. Built-In Functions.

append()	any()	all()	max()	sum()
extend()	clear()	bool()	min()	zip()
insert()	copy()	enumerate()	map()	sorted()
remove()	sort()	filter()	reversed()	len()
index()	reverse()	iter()	slice()	pop()
count()				

Time to Practice!