

Topic

Tuples 101






Tuples 101

- ◆ **Sequence** of items

(1, 2, 3, 4)

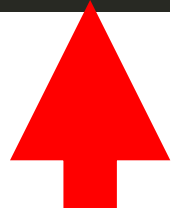




Tuples 101

- ◆ Enclosed within **Parentheses**.

```
(1, 2, 3, 4)
```





Tuples 101

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

```
(1, "hi", (1, 2, 3))
```



Tuples 101

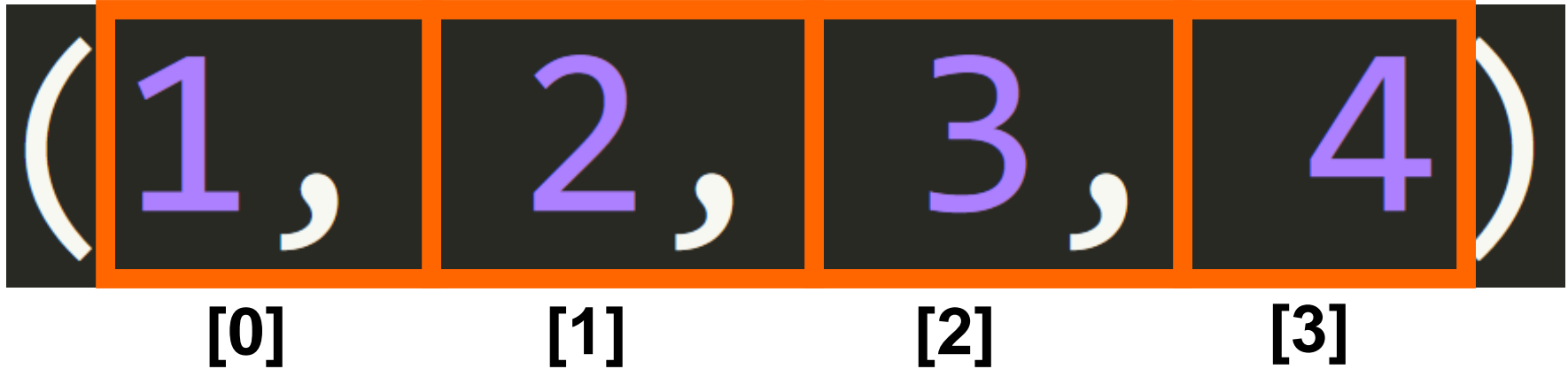
- ♦ Tuples can be **assigned** to variables.

```
a = (1, 2, 3, 4)
```



Tuples 101

- ◆ Items are accessed using **indices**.





Tuples 101

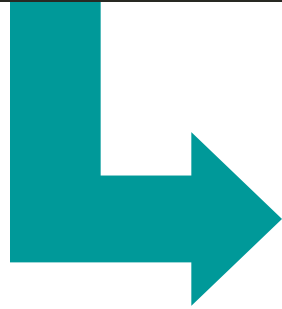
- ◆ Items are accessed using **indices**.

```
<tupleVar>[<index>]
```



Tuples 101

```
<tupleVar>[<index>]
```



```
a = (1, 2, 3, 4)  
a[2] # Value: 3
```




Tuples 101





Tuples 101

- ♦ Tuples are **Immutable**. You **can't** reassign items.

```
a = (1, 2, 3, 4)
```

```
a[2] = 2 # TypeError!
```



Tuples 101

- ♦ Tuples can be used in **for loops**.

```
a = (1, 2, 3, 4)

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



Tuples 101



◆ Tuples have **methods**. Built-In Functions.

count()	enumerate()	min()	sum()
index()	filter()	map()	tuple()
any()	iter()	reversed()	zip()
all()	len()	slice()	ascii()
bool()	max()	sorted()	





Time to Practice!

