List Slicing with Stride

Lesson Outcomes:

1. Know how to slice a list using stride
2. Know how to slice a list omitting the start and stop indexes and only using stride
3. Know how to use negative stride

List Slicing with Stride

```
exList = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

# sliced1 = [1, 4, 7, 10]
sliced1 = exList[0:10:3]

# sliced2 = [2, 4, 6, 8]
sliced2 = exList[1:9:2]
```

Slicing A List Only Using Stride

```
exList = [1, 2, 3, 4, 5]


# omitted = [1, 3, 5]
omitted = exList[::2]
```

Negative Stride

```
exList = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]


# var1 = [9, 7, 5, 3]
var1 = exList[8:1:-2]
```

Reversing A List Using Negative Stride

```
exList = [6, 7, 8, 9, 10]


# reversed = [10, 9, 8, 7, 6]
reversed = exList[::-1]
```

Recap

1. Know how to slice a list using stride
2. Know how to slice a list omitting the start and stop indexes and only using stride
3. Know how to use negative stride

What’s next?