



Using Functions With Lists

Lesson Outcomes

1. Know how to pass a list into a function as an input
2. Know how to access an element in a list using a function
3. Know how to modify a list element using a function
4. Know how to manipulate a list using a function

Passing a list to a function

```
exList = ["pass", "this", "list", "to", "a", "function"]
```

```
def list_passer(li):  
    return li
```

```
print(list_passer(exList))  
print(list_passer([1, 2, 3]))
```

Accessing an Element in a List Using a Function

```
exList = [9, 0, 2, 1, 0]
```

```
def list_accessor(li):  
    return li[3]
```

```
print(list_accessor(exList))
```

Modifying a List Element Within a Function

```
exList = [9, 0, 2, 1, 0]
```

```
def list_modifier(li):  
    return li[2] / 0.5
```

```
print(list_modifier(exList))
```

Manipulating Lists Within Functions

```
exList = [1, 1, 3, 8]
```

```
def list_manip(li):  
    li.remove(3)  
    li.insert(2, 4)  
    return li
```

```
# prints [1, 1, 4, 8]  
print(list_manip(exList))
```

Recap

1. Know how to pass a list into a function as an input
2. Know how to access an element in a list using a function
3. Know how to modify a list element using a function
4. Know how to manipulate a list using a function



What's next?