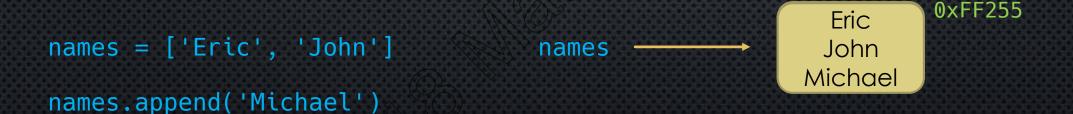
MUTABLE SEQUENCE TYPES

Mutating Objects



This is NOT mutation!

Mutating an object means changing the object's state without creating a new object



Mutating Using []

We can even assign to extended slices: s[i:j:k] = s2

We will come back to mutating using slicing in a lot more detail in an upcoming video

Some methods supported by mutable sequence types such as lists

```
s.clear()
                         removes all items from 5
s.append(x)
                         appends x to the end of s
s.insert(i, x)
                         inserts x at index t
s.extend(iterable)
                         appends contents of iterable to the end of s
s.pop(i)
                         removes <u>and</u> returns element at index t
s.remove(x)
                         removes the first occurrence of x in s
                         does an in-place reversal of elements of s
s.reverse()
s.copy()
                         returns a shallow copy
                                                  and more...
```

Coding Exercises