Day 2 learn list and tuple in python

```
colors = ['red', 'blue', 'green', 'yellow']
print(colors[0])
print(colors[1])
print(colors[3])
print(colors[1:4])
print(colors[1:3])
```

```
red
blue
yellow
['blue', 'green', 'yellow']
['blue', 'green']
```

```
water_level = [730, 709, 682, 712, 733, 751, 740]
water_level.remove(682)
water_level.insert(2,693)
print(water_level)
```

```
[730, 709, 693, 712, 733, 751, 740]
```

```
water_level = [730, 709, 693, 712, 733, 751, 740]
water_level.append(772)
print(water_level)
```

```
[730, 709, 693, 712, 733, 751, 740, 772]
```

Double-click (or enter) to edit

```
water_level = [730, 709, 682, 712, 733, 751, 740,772]
water_level.extend([772,770,7745])
print(water_level )
```

```
[730, 709, 682, 712, 733, 751, 740, 772, 772, 770, 7745]
```

Double-click (or enter) to edit

```
water_level = [730, 709, 682, 712, 733, 751, 740]
water_level.pop(0)
print(water_level)
water_level.remove(709)
print(water_level)
```

```
[709, 682, 712, 733, 751, 740]
[682, 712, 733, 751, 740]
```

```
color=("red","green","blue")
print(color[1])
```

```
green
```

```
water_level = (730, 709, 682, 712, 733, 751, 740)
water_level.pop()
print(water_level)
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
<ipython-input-32-3c8bc736a741> in <cell line: 2>()
      1 water_level = (730, 709, 682, 712, 733, 751, 740)
----> 2 water_level.pop()
      3 print(water_level)

AttributeError: 'tuple' object has no attribute 'pop'
```

Start coding or generate with AI.

```
numbers = (1, 2, 3, 4, 5)
print(numbers[1:4])
print(numbers[::-1])
```

```
(2, 3, 4)
(5, 4, 3, 2, 1)
```

```
fruits=("apple","banana")
berries=("strawberry","blueberry")
combine_fruits=fruits+berries
print(combine_fruits)
print(combine_fruits*3)
```

```
('apple', 'banana', 'strawberry', 'blueberry')
('apple', 'banana', 'strawberry', 'blueberry', 'apple', 'banana', 'strawberry', 'blueberry', 'apple', 'banana', 'strawberry', 'blueberry')
```

```
grades=(90,85,92,88,95)
print(grades.count(88))
print(grades.index(92))
```

```
1
2
```

```
mixed_types=("apple",42,3.14)
print(mixed_types[1])
```

```
42
```

Start coding or generate with AI.

```
lis=["cat", "dog", "rabbit"]
y=list(lis)
animals=tuple(y)
print(animals)
```

```
('cat', 'dog', 'rabbit')
```

```
outer_tuple=("animals",("red","green","yellow"))
print(outer_tuple[1][1])
```

```
green
```

Double-click (or enter) to edit

Double-click (or enter) to edit

Double-click (or enter) to edit

Start coding or generate with AI.