

Do Now 2.05 ## Part 1 - Open up the console ### Type the following example code using interactive mode
 ### Example 1 ```python >>> a = [123, 'First Item', 456, 'Second Item'] >>> b = a[0:2] >>> print(a) >>> print(b)```
 ``` ### In your notebook ##### Respond to the following 1. What happens to a? 2. What is b? 3. What type is b?  
 ### Example 2 ```python >>> a = [123, 'First Item', 456] >>> a.remove('First Item') >>> print(a) ``` ###  
 Continue in your notebook ##### Respond to the following questions 1. What does `remove` do? 2. What would  
 the length of this list be after `remove`? ### Example 3 ```python >>> a = [123, 'First Item', 456] >>> a.pop()  
 >>> print(a) ``` ### Continue your responses in your notebook 1. what does `pop` do? 2. What is the difference  
 between `remove` and `pop`? ### Example 4 ```python >>> a = [123, 'First Item', 456, 'Second Item'] >>> b = a  
 + ['Third Item'] >>> print(a) >>> print(b) ``` ##### Continue your responses to the following in your notebook 1.  
 What happens to a? 2. What is b? 3. What type is b? ### Example 5 ```python >>> a = [] >>> print(len(a)) >>>  
 a.append('First Item') >>> print(a) ``` ##### In your Notebook 1. What was the length of `[]`? 2. What does  
 `append` do? What would the length be after `append`?