

# Do Now 4.01 ## 1. In your Console ### Type the following Code ```python single\_fruit = ['apple', 'banana', 'watermelon', 'grape'] multi\_fruit = [] multi\_fruit.append(single\_fruit[0] + 's') multi\_fruit.append(single\_fruit[1] + 's') multi\_fruit.append(single\_fruit[2] + 's') multi\_fruit.append(single\_fruit[3] + 's') print(multi\_fruit) ``` ## In your Notebook ### Respond to the following Briefly write down what happened. What would happen if you added 100 items to the list `single\_fruit`? Write down how you would update `multi\_fruit`. ## 2. In your Console ### Type the following ```python list\_of\_numbers = [3, 5, 10, 23] for num in list\_of\_numbers: print("num is " + str(num)) ``` ## Continue in your Notebook ### Responses to the following Briefly write down what happened. How would this change if you added 100 items to `list\_of\_numbers`? ## 3. In your Console ## Rewrite the code from part 1 using knowledge from part 2