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[1] # Creating a list
my_list = [1, 2, 3, 4, 5]
print(my_list)

[1, 2, 3, 4, 5]

[10] # Creating a list
my_list = [1, 2, 3, 4, 5]
print("Original List:", my_list)

Original List: [1, 2, 3, 4, 5]

Adding elements to the list
my_list.append(6)
print("List after adding an element:", my_list)

List after adding an element: [1, 2, 3, 4, 5, 6]

[12] # Removing elements from the list
my_list.remove(3)
print("List after removing an element:", my_list)

List after removing an element: [1, 2, 4, 5, 6]

<> [13] # Creating a dictionary
my_dict = {"a": 1, "b": 2, "c": 3}
print(my_dict)

{'a': 1, 'b': 2, 'c': 3}

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[14] # Adding elements to the dictionary
my_dict["d"] = 4
print("Dictionary after adding an element:", my_dict)

Dictionary after adding an element: {'a': 1, 'b': 2, 'c': 3, 'd': 4}

[15] del my_dict["b"]
print("Dictionary after removing an element:", my_dict)

Dictionary after removing an element: {'a': 1, 'c': 3, 'd': 4}

[16] # Modifying elements in the dictionary
my_dict["c"] = 10
print("Dictionary after modifying an element:", my_dict)

Dictionary after modifying an element: {'a': 1, 'c': 10, 'd': 4}

[17] # Creating a set
my_set = {1, 2, 3, 4, 5}
print(my_set)

{1, 2, 3, 4, 5}

[18] # Adding elements to the set
my_set.add(6)
print("Set after adding an element:", my_set)

Set after adding an element: {1, 2, 3, 4, 5, 6}
```

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```
[14] # Adding elements to the dictionary
my_dict["d"] = 4
print("Dictionary after adding an element:", my_dict)
```

➡ Dictionary after adding an element: {'a': 1, 'b': 2, 'c': 3, 'd': 4}

```
[15] del my_dict["b"]  
      print("Dictionary after removing an element:", my_dict)
```

```
➡ Dictionary after removing an element: {'a': 1, 'c': 3, 'd': 4}
```

```
[16] # Modifying elements in the dictionary
my_dict["c"] = 10
print("Dictionary after modifying an element:", my_dict)
```

➡ Dictionary after modifying an element: {'a': 1, 'c': 10, 'd': 4}

```
[17] # Creating a set
my_set = {1, 2, 3, 4, 5}
print( my_set)
```

 $\Rightarrow \{1, 2, 3, 4, 5\}$

```
[18] # Adding elements to the set
my_set.add(6)
print("Set after adding an element:", my_set)
```

⇒ Set after adding an element: {1, 2, 3, 4, 5, 6}

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[18] # Adding elements to the set
my_set.add(6)
print("Set after adding an element:", my_set)

↔ Set after adding an element: {1, 2, 3, 4, 5, 6}

[19] # Removing elements from the set
my_set.remove(3)
print("Set after removing an element:", my_set)

↔ Set after removing an element: {1, 2, 4, 5, 6}

▶

my_set.remove(4)
my_set.add(10)
print("Set after modifying an element:", my_set)

↔ Set after modifying an element: {1, 2, 5, 6, 10}