

```
[16]: # Creating a List
my_list = [1, 2, 3, 4, 5]
print("List:", my_list)
my_list.append(6)
print("After adding 6:", my_list)
my_list.remove(3)
print("After removing 3:", my_list)
my_list[0] = 10
print("After modifying index 0 to 10:", my_list)
```

```
# Creating a dictionary
my_dict = {'a': 1, 'b': 2, 'c': 3}
print("\nDictionary:", my_dict)
my_dict['d'] = 4
print("After adding 'd':", my_dict)
del my_dict['b']
print("After removing 'b':", my_dict)
my_dict['a'] = 100
print("After modifying 'a' to 100:", my_dict)
```

```
# Creating a set
my_set = {1, 2, 3, 4, 5}
print("\nSet:", my_set)
my_set.add(6)
print("After adding 6:", my_set)
my_set.remove(3)
print("After removing 3:", my_set)
```

```
List: [1, 2, 3, 4, 5]
After adding 6: [1, 2, 3, 4, 5, 6]
After removing 3: [1, 2, 4, 5, 6]
After modifying index 0 to 10: [10, 2, 4, 5, 6]
```

```
Dictionary: {'a': 1, 'b': 2, 'c': 3}
After adding 'd': {'a': 1, 'b': 2, 'c': 3, 'd': 4}
After removing 'b': {'a': 1, 'c': 3, 'd': 4}
After modifying 'a' to 100: {'a': 100, 'c': 3, 'd': 4}
```

```
Set: {1, 2, 3, 4, 5}
After adding 6: {1, 2, 3, 4, 5, 6}
After removing 3: {1, 2, 4, 5, 6}
```