

```
# Creating an empty set
set1 = set()

# Addig elements to the set
set1.add("cat")
set1.add("dog")
set1.add("elephant")
set1.add("peacock")
set1.add("bat")
# Removing the elements from the set
set1.remove("bat")
set1.remove("dog")
# Modifying elements in the set
# discarding , adding elements
set1.discard(2)
set1.add("eagle")
# converting to a list to modify, then converting back to a set
temp_list = list(set1)
temp_list[0] = "cow"
set1 = set(temp_list)
# Priting elements of the set
print("Elements from Set:", set1)
```

 Elements from Set: {'elephant', 'eagle', 'peacock', 'cow'}

```
# Create an empty dictionary
dict1 = {}
dict2 = {'1' : 'apple', '2': 'banana','3': 'orange'}
# Adding key-value pairs to the dictionary
dict1["apple"] = 5
dict1["banana"] = 3
dict1["orange"] = 7
dict2["4"] = "grapes"
dict2["5"] = "berry"
# Removing the elements from the dictionary
del dict1["banana"]
del dict2["3"]
# Modifying the values in the dictionary
dict1["apple"] = 10
dict2["2"] = "mango"
# Printing elements of the dictionary
print("Elements from dictionary1 : ",dict1)
print("Elements from dictionary2 : ", dict2)

Elements from dictionary1 : {'apple': 10, 'orange': 7}
Elements from dictionary2 : {'1': 'apple', '2': 'mango', '4': 'grapes', '5': 'berry'}
```

```
# Lists
l = []

# Adding Element into list
l.append(5)
l.append(10)
print("Adding 5 and 10 in list", l)

# Popping Elements from list
l.pop()
print("Popped one element from list", l)
print()

# Append a new element to the list l1
l.append(8)

# Print the modified list
print("Appended 5 to the list l1:")
print(l)

# Remove element 5 from the list l1
l.remove(5)

# Print the modified list
print("Removed element 5 from the list l1:")
print(l)

# Modifying a value in the list
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l[0] =(2)
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```
Adding 5 and 10 in list [5, 10]  
Popped one element from list [5]
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```
Appended 5 to the list l1:  
[5, 8]  
Removed element 5 from the list l:  
[8]
```