```python
#LIST

my_list = [1, 2, 3, 4, 5]

my_list.append(6)
print("Added List:", my_list)

my_list.remove(3)
print("Removed List:", my_list)

my_list[2] = 10
print("Modified List:", my_list)
```

```
Added List: [1, 2, 3, 4, 5, 6]
Removed List: [1, 2, 4, 5, 6]
Modified List: [1, 2, 10, 5, 6]
```

```python
#DICTIONARY

flight_schedule ={
    'SQ435': {'Airline Name':'Singapore Airlines','origin': 'New
York', 'destination': 'Singapore', 'departure': '08:00', 'arrival':
'11:00'},
    'UL505': {'Airline Name':'Srilankan Airlines','origin': 'Colombo',
'destination': 'London', 'departure': '09:00', 'arrival': '12:00'},
    'CA985': {'Airline Name':'Air China','origin': 'Beijing',
'destination': 'San Francisco', 'departure': '10:00', 'arrival':
'13:00'}
}

flight_schedule['AI440'] = {'Airline Name':'Air India','origin':
'Chennai', 'destination': 'Delhi', 'departure': '11:00', 'arrival':
'15:00'}
print("\nFlight Schedule Added:", flight_schedule)

removed_flight = flight_schedule.pop('CA985')
print("\nUpdated Schedule :", flight_schedule)

delayed_flight = flight_schedule['UL505']

flight_schedule['UL505'] = {'Airline Name':'Srilankan
Airlines','origin': 'Colombo', 'destination': 'London', 'departure':
'09:30', 'arrival': '12:30'}
print("\nFlight Delayed UL505:", delayed_flight)

print("\nFlight Cancelled:", removed_flight)
```

```
Flight Schedule Added: {'SQ435': {'Airline Name': 'Singapore
Airlines', 'origin': 'New York', 'destination': 'Singapore',
'departure': '08:00', 'arrival': '11:00'}, 'UL505': {'Airline Name':
```

```
'Srilankan Airlines', 'origin': 'Colombo', 'destination': 'London',
'departure': '09:00', 'arrival': '12:00'}, 'CA985': {'Airline Name':
'Air China', 'origin': 'Beijing', 'destination': 'San Francisco',
'departure': '10:00', 'arrival': '13:00'}, 'AI440': {'Airline Name':
'Air India', 'origin': 'Chennai', 'destination': 'Delhi', 'departure':
'11:00', 'arrival': '15:00'}}

Updated Schedule : {'SQ435': {'Airline Name': 'Singapore Airlines',
'origin': 'New York', 'destination': 'Singapore', 'departure':
'08:00', 'arrival': '11:00'}, 'UL505': {'Airline Name': 'Srilankan
Airlines', 'origin': 'Colombo', 'destination': 'London', 'departure':
'09:00', 'arrival': '12:00'}, 'AI440': {'Airline Name': 'Air India',
'origin': 'Chennai', 'destination': 'Delhi', 'departure': '11:00',
'arrival': '15:00'}}

Flight Delayed UL505: {'Airline Name': 'Srilankan Airlines', 'origin':
'Colombo', 'destination': 'London', 'departure': '09:00', 'arrival':
'12:00'}

Flight Cancelled: {'Airline Name': 'Air China', 'origin': 'Beijing',
'destination': 'San Francisco', 'departure': '10:00', 'arrival':
'13:00'}

# SETS

flight_numbers = {"SQ435", "UL505", "CA985"}

print("Initial Set of Flight Numbers:", flight_numbers)

flight_numbers.add("AI440")
print("\nAdded Schedule:", flight_numbers)

flight_numbers.remove("CA985")
print("\nUpdated Schedule:", flight_numbers)

flight_numbers.remove("UL505")
flight_numbers.add("UL505(Delayed)")
print("\nModifying UL505:", flight_numbers)

Initial Set of Flight Numbers: {'CA985', 'UL505', 'SQ435'}

Added Schedule: {'AI440', 'CA985', 'UL505', 'SQ435'}

Updated Schedule: {'AI440', 'UL505', 'SQ435'}

Modifying UL505: {'UL505(Delayed)', 'AI440', 'SQ435'}
```