```python
In [1]:     1  # creating a list
            2  list_1=[10,20,30,40,50]
            3
            4  #Adding an element to the list
            5  list_1.append(6)
            6  print(list_1)
            7
            8  #removing an element from the list
            9  list_1.remove(50)
           10  print(list_1)
           11
           12  #modifying an element in the list
           13  list_1[2]=15
           14  print(list_1)
           15
           16  #inserting an element in the list
           17  list_1.insert(3,45.0)
           18
           19  print("updated list is-",list_1)
```

```
[10, 20, 30, 40, 50, 6]
[10, 20, 30, 40, 6]
[10, 20, 15, 40, 6]
updated list is- [10, 20, 15, 45.0, 40, 6]
```

```python
In [2]:     1  # creating a dictionary
            2  dict_1={"employee":"mahesh","salary":10000,"job":"gardening"}
            3
            4  #adding a key value pair to the dictionary
            5  dict_1["gender"]="male"
            6  print(dict_1)
            7
            8  #removing a key value pair from the dictionary
            9  del dict_1["job"]
           10  print(dict_1)
           11
           12  # modifying the value in the dictionary
           13  dict_1["employee"]="Ramesh"
           14
           15  print("updated dictioary is-",dict_1)
```

```
{'employee': 'mahesh', 'salary': 10000, 'job': 'gardening', 'gender': 'male'}
{'employee': 'mahesh', 'salary': 10000, 'gender': 'male'}
updated dictioary is- {'employee': 'Ramesh', 'salary': 10000, 'gender': 'male'}
```

```python
# tuple
tuple_1 = (15,25,35)

# add new element to the tuple
element_1 = 45
my_tuple=tuple_1+(element_1,)
print(my_tuple)

# remove an element form the tuple
my_tuple=tuple_1[:1]+tuple_1[2:]
print(my_tuple)

#modifing a element in the tuple
mod_element=55
my_tuple=tuple_1[:1]+(mod_element,)
print(my_tuple)
```

```
(15, 25, 35, 45)
(15, 35)
(15, 55)
```