Week-1 Task

#Lists-List is a collection of heterogeneous sequential elements which is enclosed by [] and it is mutable

#1)creation

li=[10,20,30,40,50]

print("Current list is:",li)

#2)append elements

li.append(60)

print("After appending 60:",li)

#3)Modify

li[2]=15

li[5]=60

print("After modifying",li)

#4)Delete

li.remove(20)

print("After removing an element:",li)

#dictionaries-It is a collection of elements with key value pair

#1)Creation

dictt={1:'Rohit',2:'Kohli',3:'Dube',4:'SKY'}

print('The dictionary is:',dictt)

#2)Adding using index

dictt[5]='Hardik'

dictt[6]='Jadeja'

print('The dictionary after addition of elements is:',dictt)

#3)remove

```
del dictt[3]

print("After removal of 3rd element:",dictt)
```

#4)Modify

```
dictt[2]="Jaiswal"

print("After modifying:",dictt)
```

#Sets-Set is an unordered collection of elements enclosed by {] and it is mutable

#1)Creation

```
s=set([1,2,3,4,5,6])

print(s)
```

#2)Adding an element

```
s.add(7)

print("Set after adding 7:",s)
```

#3)removal of elements

```
s.remove(7)

print("After removing 7 in set:",s)
```

#4)update()

```
s1={10,20,30,40}

s.update(s1)

print("Set s after updating with s1:",s)
```