ASSIGNMENT 2

#KARTIK THAKUR

Q1 Access value 20 from the tuple, t = ("oragne",[10,20,30], [5,15,25])

```
In [38]: t = ("oragne",[10,20,30],[5,15,25])
         tnew =t[1][1]
         print(tnew)
```

```
20
```

Q2 unpack the tuple into 2 variables ,t = (10,20,30,40,50)

```
In [39]: t = (10, 20, 30, 40)

         a, b,*rest = t

         print(a)
         print(b)
         print(rest)
```

```
10
20
[30, 40]
```

3. Return a new set of identical items from two sets

set1 = {10, 20, 30, 40, 50} set2 = {30, 40, 50, 60, 70}

```
In [30]: set1 = {10, 20, 30, 40, 50}
         set2 = {30, 40, 50, 60, 70}

         intersection_set = set1.intersection(set2)

         print(intersection_set)
```

```
{40, 50, 30}
```

4. Remove items from set1 that are not common to both set1 and set2

set1 = {10, 20, 30, 40, 50} , set2 = {30, 40, 50, 60, 70}

In [35]:
```python
set1 = {10, 20, 30, 40, 50}
set2 = {30, 40, 50, 60, 70}

set1.intersection_update(set2)
print(set1)
```

{40, 50, 30}

5. Update set1 by adding items from set2, except common items

set1 = {10, 20, 30, 40, 50} set2 = {30, 40, 50, 60, 70}

In [36]:
```python
set1 = {10, 20, 30, 40, 50}
set2 = {30, 40, 50, 60, 70}

set1.symmetric_difference_update(set2)

print(set1)

#In this example, the symmetric_difference_update() method is called on set1 with
```

{20, 70, 10, 60}

In [ ]: