In [1]:
```
#creat a empty set
x={23,34,45,56}
print(x)
```

```
{56, 34, 45, 23}
```

In [3]:
```
#creat a set remove duplicate elements
apple={2,2,3,4,4,5,6,7,88,88,9,2,4,6,7,8}
print(apple)
```

```
{2, 3, 4, 5, 6, 7, 8, 9, 88}
```

In [15]:
```
#add item to a set in pyton
numbers={22,43,54,23,76,87,68}
print("intialset",numbers)
numbers.add(77)
print(numbers)
```

```
intialset {68, 54, 23, 22, 87, 43, 76}
{68, 54, 23, 22, 87, 43, 76, 77}
```

In [17]:
```
alpha={'apple,orange'}
tech_alpha={'banana,pineapple'}
alpha.update(tech_alpha)
print(alpha)
```

```
{'apple,orange', 'banana,pineapple'}
```

In [18]:
```
#remove on element set
numbers ={22,33,4,55,76,99}
numbers.discard(99)
print(numbers)
```

```
{33, 4, 22, 55, 76}
```

In [20]:
```
#finding the len of set
a={10,20,30,40,50,60,70}

print('totalelements:',len(a))
```

```
totalelements: 7
```

In [22]:
```
#first set
x={11,44,77}

#secount set
y={22,33,55,66}
print(x.union(y))
```

```
{33, 66, 22, 55, 11, 44, 77}
```

In [23]:
```
#first set of intersection
h={2,4,7,8,3,6,0}

#secound set of intersection
k={5,6,3,8,2,0}

print(h.intersection(k))
```

```
{0, 2, 3, 6, 8}
```

In [24]:
```
#first set of difference
j={9,8,7,6,5,4}

#secound set of difference
```

```
g={5,4,3,2,5,6,7}

print(j.difference(g))
```

```
{8, 9}
```

In [25]:
```
#set symmetric difference
a={1,2,3,4,4,5,5,6}
b={9,8,7,6,5,4,3,2}
print(a.symmetric_difference(b))
```

```
{1, 7, 8, 9}
```

In [ ]: