7.1 - WAP to crate a set using list of elements and size.

In [3]:
```
1  n=int(input("Enter size of n ::"))
2  l=[]
3  for i in range(n):
4      l.append(int(input("Enter Elements Hear::")))
5  s=set(l)
6  print("Set is ::",s)
7  lenght=len(s)
8  print("Element Size is ::",lenght)
```

```
Enter size of n ::5
Enter Elements Hear::1
Enter Elements Hear::2
Enter Elements Hear::3
Enter Elements Hear::4
Enter Elements Hear::5
Set is :: {1, 2, 3, 4, 5}
Element Size is :: 5
```

7.2 - WAP to Find Maximum and minimum elements from set.

In [14]:
```
1  n=int(input("Enter size of n ::"))
2  l=[]
3  for i in range(n):
4      l.append(int(input("Enter Elements Hear::")))
5  s=set(l)
6  print("Max Element is::",max(s))
7  print("Min Element is::",min(s))
```

```
Enter size of n ::5
Enter Elements Hear::1
Enter Elements Hear::2
Enter Elements Hear::3
Enter Elements Hear::4
Enter Elements Hear::5
Max Element is:: 5
Min Element is:: 1
```

7.3 - WAP to remove an element from a set given by user.

In [18]:
```python
n=int(input("Enter size of n ::"))
l=[]
for i in range(n):
    l.append(int(input("Enter Elements Hear::")))
s=set(l)
a=int(input("Enter Removed Element ::"))
if a in s:
    s.remove(a)
print("After Removing Element ::",s)
```

```
Enter size of n ::5
Enter Elements Hear::1
Enter Elements Hear::2
Enter Elements Hear::3
Enter Elements Hear::4
Enter Elements Hear::5
Enter Removed Element ::6
After Removing Element :: {1, 2, 3, 4, 5}
```

7.4 - WAP to conver given set into tuple and into list both.

In [11]:
```python
n = int(input("Enter size:"))
s=set()
for i in range(n):
    s.add(int(input("Enter Value:")))
l = list(s)
t = tuple(s)
print("List is ::",l)
print("Tuple is ::",t)
print("Set is ::",s)
```

```
Enter size:5
Enter Value:1
Enter Value:2
Enter Value:3
Enter Value:4
Enter Value:5
List is :: [1, 2, 3, 4, 5]
Tuple is :: (1, 2, 3, 4, 5)
Set is :: {1, 2, 3, 4, 5}
```

7.5 - WAP to perform union,intersection,difference and

symmetric difference operation in given two sets.

In [17]:
```python
n1 = int(input("Enter size of first:"))
n2 = int(input("Enter size of Second:"))
a = set()
b = set()

for i in range(n1):
    a.add(int(input("Enter Value for set1:")))

for i in range(n2):
    b.add(int(input("Enter Value for set2:")))

print("Union is ::", a | b)
print("Intersection is ::", a & b)
print("Difference is ::", a - b)
print("Symmetric difference is ::", a ^ b)
```

```
Enter size of first:5
Enter size of Second:3
Enter Value for set1:1
Enter Value for set1:2
Enter Value for set1:3
Enter Value for set1:4
Enter Value for set1:5
Enter Value for set2:1
Enter Value for set2:2
Enter Value for set2:3
Union is :: {1, 2, 3, 4, 5}
Intersection is :: {1, 2, 3}
Difference is :: {4, 5}
Symmetric difference is :: {4, 5}
```

In [ ]:
```python

```

In [ ]:
```python

```