



1. insertion order is not preserved
2. duplicates are not allowed
3. heterogeneous objects are allowed
4. index concept is not applicable
5. It is mutable collection
6. Growable in nature

Eg:

```
1) s={100,0,10,200,10,'durga'}
2) s # {0, 100, 'durga', 200, 10}
3) s[0] ==>TypeError: 'set' object does not support indexing
4)
5) set is growable in nature, based on our requirement we can increase or decrease the size.
6)
7) >>> s.add(60)
8) >>> s
9) {0, 100, 'durga', 200, 10, 60}
10) >>> s.remove(100)
11) >>> s
12) {0, 'durga', 200, 10, 60}
```

## frozenset Data Type:

It is exactly same as set except that it is immutable.  
Hence we cannot use add or remove functions.

```
1) >>> s={10,20,30,40}
2) >>> fs=frozenset(s)
3) >>> type(fs)
4) <class 'frozenset'>
5) >>> fs
6) frozenset({40, 10, 20, 30})
7) >>> for i in fs:print(i)
8) ...
9) 40
10) 10
11) 20
12) 30
13)
14) >>> fs.add(70)
15) AttributeError: 'frozenset' object has no attribute 'add'
16) >>> fs.remove(10)
17) AttributeError: 'frozenset' object has no attribute 'remove'
```