In [2]:
```
#symmetric difference
```

In [4]:
```
a={1,2,3}
b={3,4,5}
r= a^b
print(r)
```

```
{1, 2, 4, 5}
```

In [5]:
```
#symmetric difference update
```

In [16]:
```
a={1,2,3}
b={3,4,5}

a.symmetric_difference_update(b)     # common values are skipped
print(a)
print(b)
```

```
{1, 2, 4, 5}
{3, 4, 5}
```

In [10]:
```
#super set
```

In [11]:
```
s4={1,2,3,4,5,6,7,8,9}
s5={3,4,5,6}
s6={10,20,30,40}
```

In [17]:
```
s4.issuperset(s5)
```

Out[17]: True

In [18]:
```
s5.issubset(s4)
```

Out[18]: True

In [19]:
```
s6.isdisjoint(s4)
```

Out[19]: True

In [20]:
```
min(a)    # lowest value
```

Out[20]: 1

In [21]:
```
max(s6)    # largest value
```

Out[21]: 40

In [22]:
```
sum(s4)     #add all the elements in set
```

Out[22]: 45

In [23]:

In [ ]: