In [1]:
```
a = {12, 32, 12, 4, 34, 12, 3, 43}
b = {12, 3, 43, 22, 54, 43, 33, 4}
print(type(a))
print(type(b))
```

```
<class 'set'>
<class 'set'>
```

In [2]:
```
print(a)
a.pop()
print(a)
a.pop()
print(a)
a.remove(12)
a.add(1111)
print(a)
```

```
{32, 34, 3, 4, 43, 12}
{34, 3, 4, 43, 12}
{3, 4, 43, 12}
{3, 4, 1111, 43}
```

In [3]:
```
a = {1,2,3,4,5}
b = {3,4,5,6,7}
print(a - b)
print(a.difference(b))
a.difference_update(b)
print(a)
# print(a + b)  # TypeError: unsupported operand type(s) for +: 'set' and 'set'
```

```
{1, 2}
{1, 2}
{1, 2}
```

In [4]:
```
# removing same vlaues
a = {1,2,3,4,5}
b = {4,5,6,7,8}
print(a ^ b)
print(a.symmetric_difference(b))
a.symmetric_difference_update(b)
print(a)
```

```
{1, 2, 3, 6, 7, 8}
{1, 2, 3, 6, 7, 8}
{1, 2, 3, 6, 7, 8}
```

In [5]:
```
a = {1,2,3,4,5}
b = {4,5,6,7,8}
print(a & b)
print(a.intersection(b))
a.intersection_update(b)
print(a)
```

```
{4, 5}
{4, 5}
{4, 5}
```

In [6]:
```
a = {1,2,3,4,5}
b = {4,5,6,7,8}
print(a | b)
print(a.union(b))
a.update(b)
print(a)
```

```
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3, 4, 5, 6, 7, 8}
```

In [ ]:
```

```