In [1]:
```
#sets in python
#craeting sets
a = {"apple", "banana", "cherry"}
print(a)
```

```
{'apple', 'banana', 'cherry'}
```

In [2]:
```
#Duplicates Not Allowed
b = {"apple", "banana", "cherry", "apple"}

print(b)
```

```
{'apple', 'banana', 'cherry'}
```

In [4]:
```
c = {1,2,3,4,5,6,7}

print(len(c))
```

```
7
```

In [5]:
```
#type()
myset = {"apple", "banana", "cherry"}
print(type(myset))
```

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

In [6]:
```
#union
x = {"apple", "banana", "cherry"}
y = {"google", "microsoft", "apple"}

z = x.union(y)

print(z)
```

```
{'microsoft', 'banana', 'cherry', 'google', 'apple'}
```

In [8]:
```
 #update
    s = {1, 2, 3}
 s.update({4, 5})
print(s)
```

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

In [9]:
```
#intersection
x = {"apple", "banana", "cherry"}
y = {"google", "microsoft", "apple"}

z = x.intersection(y)

print(z)
```

```
{'apple'}
```

In [10]:
```
#intersection_update
x = {"a", "b", "c"}
y = {"c", "d", "e"}
z = {"f", "g", "c"}

x.intersection_update(y, z)

print(x)
```

```
{'c'}
```

In [16]:
```
#difference
x = {"apple", "banana", "cherry"}
y = {"google", "microsoft", "apple"}

x.difference(y)

print(x)
```

```
{'apple', 'banana', 'cherry'}
```

In [15]:
```
#difference update
x = {"apple", "banana", "cherry"}
y = {"google", "microsoft", "apple"}

x.difference_update(y)

print(x)
```

```
{'banana', 'cherry'}
```

In [ ]: