

```
## joining using union
animals={'tiger','lion','camel'}
num={'2','3','8'}
print(animals.union(num))

{'camel', 'tiger', '8', 'lion', '3', '2'}
```

```
## update
alpha= {"a", "b" , "c"}
num= {1, 2, 3}
alpha.update(num)
print(alpha)

{'a', 1, 2, 3, 'c', 'b'}
```

```
## print existing item
fruits = {"apple", "banana", "cherry"}
animals = {"tiger", "lion", "apple"}
fruits.intersection_update(animals)
print(fruits)
set: fruits
{ 'apple' } (3 items) {'apple', 'banana', 'mango'}
```

```
## Length of set
fruits={'apple','mango','banana','orange'}
print(len(fruits))
```

4

```
## Adding an element
fruits={'apple','banana','mango','orange'}
fruits.add('kiwi')
print(fruits)

{'kiwi', 'banana', 'mango', 'apple', 'orange'}
```

```
## joining two sets
fruits={'apple','banana','mango','orange'}
fruit={'kiwi','grapes'}
fruits.update(fruit)
print(fruits)
## Joining a list and a set
Fruits=['guava','watermelon']
fruits.update(Fruits)
print(fruits)
```

{'apple', 'kiwi', 'banana', 'mango', 'grapes', 'orange'}

```
['watermelon', 'apple', 'kiwi', 'banana', 'mango', 'guava', 'grapes', 'orange']
```

```
## Removing items from a set
```

```
fruits={'apple','banana','mango','orange'}
```

```
fruits.remove('banana')
```

```
print(fruits)
```

```
## Using discard
```

```
fruits.discard('apple')
```

```
print(fruits)
```

```
['orange', 'apple', 'mango']
```

```
['orange', 'mango']
```

```
## Clearing a set
```

```
fruits={'apple','banana','mango','orange'}
```

```
fruits.clear()
```

```
print(fruits)
```

```
set()
```

```
## Removing common elements and printing the remaining elements in a set
```

```
Set: Fruits  
fruits={'apple','banana','mango','orange'}
```

```
(3 items) {'apple','banana','mango'}  
Fruits={'watermelon','apple','grapes','guava','orange'}
```

```
fruits.symmetric_difference_update(Fruits)
```

```
print(fruits)
```

```
['banana', 'watermelon', 'mango', 'grapes', 'guava']
```

```
## Copying a set
```

```
fruits={'apple','mango','banana','orange'}
```

```
Fruits=fruits.copy()
```

```
print(Fruits)
```

```
['orange', 'apple', 'banana', 'mango']
```

```
## Removing the common elements in two sets and printing only one set
```

```
fruits={'apple','mango','banana','orange'}
```

```
Fruits={'watermelon','apple','grapes','guava','orange'}
```

```
print(fruits.difference(Fruits))
```

```
['banana', 'mango']
```

```
## Finding whether two sets have common elements or not
```

```
fruits={'apple','mango','banana','orange'}
```

```
Fruits={'watermelon','apple','grapes','guava','orange'}
```

```
print(fruits.isdisjoint(Fruits))
```

```
False
```

```
## Finding weather a set is subset or not
Fruits={'watermelon','apple','grapes','guava','orange'}
fruits={'apple','mango','banana','orange'}
print(fruits.issubset(Fruits))
```

False

```
## Finding superset or not
fruits={'apple','mango','banana','orange'}
Fruits={'apple','banana'}
print(fruits.issuperset(Fruits))
```

True

```
## Using pop
fruits={'apple','mango','banana','orange'}
print(fruits.pop())
```

orange

```
set: fruits
(3 items) {'apple', 'banana', 'mango'}
```

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