```
anushka-patil@anushka-patil-1-0:~$ python3
Python 3.11.6 (main, Apr 10 2024, 17:26:07) [GCC 13.2.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> s={10,20,30,244}
>>> s.add(99)
>>> s
{99, 10, 20, 244, 30}
>>> s.add()
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
TypeError: set.add() takes exactly one argument (0 given)
>>> s.add("hello")
>>> s
{99, 10, 'hello', 20, 244, 30}
>>> s1={10,34,3.4}
>>> s1.clear()
>>> s1
set()
>>> x={"apple","lenevo"}
>>> y={"google","microsoft"}
>>> x.difference(y)
{'lenevo', 'apple'}
>>> y.difference(x)
{'google', 'microsoft'}
>>> x
{'lenevo', 'apple'}
>>> l=x.copy
>>> l
<built-in method copy of set object at 0x709f4a02be60>
>>> x={"apple","lenevo"}
>>> y={"google","microsoft"}
>>> x.difference_update(y)
>>> x
{'lenevo', 'apple'}
>>> y
{'google', 'microsoft'}
>>> s={"hello",3,47,56,86}
>>> s.discard()
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
TypeError: set.discard() takes exactly one argument (0 given)
>>> s.discard(0)
>>> s
{3, 86, 56, 'hello', 47}
```

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>>> x={"apple","lenevo"}
>>> y={"google","microsoft"}
>>> x.difference(y)
{'lenevo', 'apple'}
>>> y.difference(x)
{'google', 'microsoft'}
>>> x
{'lenevo', 'apple'}
>>> l=x.copy
>>> l
<built-in method copy of set object at 0x709f4a02be60>
>>> x={"apple","lenevo"}
>>> y={"google","microsoft"}
>>> x.difference_update(y)
>>> x
{'lenevo', 'apple'}
>>> y
{'google', 'microsoft'}
>>> s={"hello",3,47,56,86}
>>> s.discard()
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
TypeError: set.discard() takes exactly one argument (0 given)
>>> s.discard(0)
>>> s
{3, 86, 56, 'hello', 47}
>>> x={"apple","lenevo"}
>>> y={"google","microsoft"}
>>> x.intersection(y)
set()
>>> x={"apple","lenevo","anu"]
  File "<stdin>", line 1
    x={"apple","lenevo","anu"]
                              ^
SyntaxError: closing parenthesis ']' does not match opening parenthesis '{'
>>> x={"apple","lenevo","anu"}
>>> y={"google","microsoft","anu"}
>>> x.intersection(y)
{'anu'}
>>> x={'a','b','c'}
>>> y={'c','d','e'}
>>> z={'f','g','c'}
>>> x.intersection_update(y,z)
>>> x
{'c'}
```


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{'c', 'd', 'e'}
>>> x={'a','b','c'}
>>> y={'c','d','e'}
>>> z=x.isdisjoint(y)
>>> z
False
>>> x={"apple","banana"}
>>> y={"microsoft","apple"}
>>> x.disjoint(y)
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
AttributeError: 'set' object has no attribute 'disjoint'. Did you mean: 'isdisjoint
>>> x.isdisjoint(y)
False
>>> x={"a","b","c"}
>>> y={"f","e","d","c","b","q"}
>>> x.issubset(y)
False
>>> y={"f","e","d","c","b","q"}
>>> x={"a","b","c"}
>>> x.issuperset(y)
False
>>> y={"f","e","d","c","b","q"}
>>> y.pop()
'f'
>>> y.pop()
'e'
>>> y
{'c', 'b', 'q', 'd'}
>>> y.remove("d")
>>> y
{'c', 'b', 'q'}
>>> x={"apple","banana"}
>>> y={"microsoft","apple"}
>>> x.symmetric_difference(y)
{'banana', 'microsoft'}
>>> x={"apple","banana"}
>>> y={"microsoft","apple"}
>>> x.symmetric_difference_update(y)
>>> x
{'banana', 'microsoft'}
>>> y={"f","e","d","c","b","q"}
>>> x={"a","b","c"}
>>> x.union(y)

```
>>> x={"apple","banana"}
>>> y={"microsoft","apple"}
>>> x.symmetric_difference(y)
{'banana', 'microsoft'}
>>> x={"apple","banana"}
>>> y={"microsoft","apple"}
>>> x.symmetric_difference_update(y)
>>> x
{'banana', 'microsoft'}
>>> y={"f","e","d","c","b","q"}
>>> x={"a","b","c"}
>>> x.union(y)
{'e', 'd', 'f', 'c', 'b', 'q', 'a'}
>>> x={"a","b","c"}
>>> y={"f","e","d","c","b","q"}
>>> x.update(y)
>>> x
{'e', 'd', 'f', 'c', 'b', 'q', 'a'}
>>> quit()
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```