```
In [1]:    1  # frozenset
```

```
In [2]:    1  x = {1,2,3,4}
           2  x
```

Out[2]: {1, 2, 3, 4}

```
In [3]:    1  #
           2  ab = frozenset((1,2,3,4,5,66,7))
           3  ab
```

Out[3]: frozenset({1, 2, 3, 4, 5, 7, 66})

```
In [ ]:    1
```

```
In [ ]:    1
```

Aritmetic operators

```
In [ ]:    1  +,
           2  -
           3  /
           4  //
           5  %
           6  *
           7  **
```

```
In [5]:    1  # +:- add
           2  x = 12
           3  y = 13
           4  print(x+y)
```

25

```
In [8]:    1  # - sub
           2
           3  a = 1234
           4  b = 6543
           5
           6  print(a-b,b-a,sep='\n')
```

-5309
5309

```python
In [21]:
1  # normal div:- decimal div, :- floating div
2
3  x = 123
4  y = 3
5
6  z = x/y
7  print("Normal div: ",z)
8  print(type(z))
```

```
Normal div:  41.0
<class 'float'>
```

```python
In [26]:
1  # floor div
2  x = 22
3  y = 7
4
5  z = x//y
6  print("Floor div: ",z,type(z))
```

```
Floor div:  3 <class 'int'>
```

```python
In [28]:
1  # modulus, divisibility, odd, even
2  # %
3
4  a = 22
5  b = 2
6
7  print(a%b)
```

```
0
```

```python
In [36]:
1  abc = 123467876543567815
2  print(abc%17)
```

```
0
```

```python
In [38]:
1  234566%2
```

```
Out[38]: 0
```

```python
In [39]:
1  # multi
2  a = 232
3  print(a*34)
```

```
7888
```

```python
In [42]:
1  # multi
2  a = 2**0
3  print(a)
```

```
1
```

```
In [43]:   1  abc = 123456890786654564**0
           2  print(abc)
```

1

```
In [44]:   1  print(0**0)
```

1

```
In [45]:   1  4567898765*0
```

Out[45]: 0

```
In [47]:   1  pow(2,0)
```

Out[47]: 1

```
In [48]:   1  2**5
```

Out[48]: 32

```
In [49]:   1  2*2*2*2*2
```

Out[49]: 32

```
In [52]:   1  print(2.4+4.5)
           2  print(2.4-6.7)
           3  print(2.1*5.4)
           4  print(2.1/5.4)
           5  print(2.1//5.4)
```

6.9
-4.300000000000001
11.340000000000002
0.3888888888888889
0.0

```
In [53]:   1  print(2.5**2)
```

6.25

```
In [54]:   1  pow(2.5,2)
```

Out[54]: 6.25

```
In [55]:   1  # assignment op
```

```
In [56]:  1  a = 12
          2  a = a+10
          3  print(a)
```

22

```
In [57]:  1  x = 19
          2  x = x - 10
          3  print(x)
```

9

```
In [58]:  1  a = 12
          2  a+=100
          3  print(a)
```

112

```
In [59]:  1  # =
          2  # +=
          3
          4  # -=
          5  # *=
          6  # /=
          7  # //=
          8  # **=
          9  # %=
```

```
In [60]:  1  abc = 15
          2
          3  abc+=10
          4
          5  print(abc)
```

25

```
In [61]:  1  xyz = 123
          2  xyz-=10
          3
          4  print(xyz)
```

113

```
In [62]:  1  p = 100
          2  p*=5
          3
          4  print(p)
```

500

```
In [63]:    1  q = 200
            2  q/=3
            3  print(q)
```

66.66666666666667

```
In [66]:    1  m = 155
            2  m//=4
            3
            4  print(m)
```

38

```
In [67]:    1  s = 12
            2  s**=3
            3
            4  print(s)
```

1728

```
In [69]:    1  mnc = 2347
            2  mnc%=3
            3
            4  print(mnc)
```

1

```
In [70]:    1  xyz = 345
            2  xyz+=23.876
            3
            4  print(xyz)
```

368.876

```
In [71]:    1  x = 23+5j
            2  print(x**2)
```

(504+230j)

```
In [72]:    1  23*23
```

Out[72]: 529

```
In [ ]:     1
```