```
In [1]:  import sys
         sys.version
```

Out[1]: '3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.192
         9 64 bit (AMD64)]'

```
In [3]:  a = 5
         b = 8
         c = 3
```

```
In [5]:  print(a,b,c)
```

```
5 8 3
```

Arithemetic Operator

```
In [10]:  a+b
```

Out[10]: 13

```
In [12]:  a-b
```

Out[12]: -3

```
In [14]:  a*c
```

Out[14]: 15

```
In [16]:  b/c
```

Out[16]: 2.6666666666666665

```
In [18]:  b//c
```

Out[18]: 2

```
In [20]:  a%c
```

Out[20]: 2

```
In [22]:  a**c
```

Out[22]: 125

Comparision Operator

```
In [73]:  a==b # Equal to
```

Out[73]: False

```
In [75]:  d = 5
```

```
In [31]:  a==d
```

Out[31]: True

In [33]: `a!=d`

Out[33]: False

In [35]: `b<a`

Out[35]: False

In [37]: `b>a`

Out[37]: True

In [39]: `b>=a`

Out[39]: True

In [41]: `b<=a`

Out[41]: False

In [43]: `d==c`

Out[43]: False

Logical operator and operator : Returns true if both conditions true or operator : returns true if at least one condition true

In [46]: `b>a and d<a`

Out[46]: False

In [54]: `print(a,b,c,d)`

5 8 3 5

In [56]: `b>a and d=a`

```
Cell In[56], line 1
   b>a and d=a
     ^
SyntaxError: cannot assign to expression
```

In [60]: `b>a and d>a`

Out[60]: False

In [62]: `b>a and b>c`

Out[62]: True

In [64]: `b<a and b<c`

Out[64]: False

In [66]: `b>c or b<a`

Out[66]: True

In [68]: `b<a or b<a`

Out[68]: False

Assignment Operator

In [78]: `print(a,b,c,d)`

5 8 3 5

In [80]: `print(a)`

5

In [82]: `a = 5`

In [84]: `a = a+2`

In [86]: `print(a)`

7

In [90]:
```
a +=
print(a)
```

```
  Cell In[90], line 1
    a +=
        ^
SyntaxError: invalid syntax
```

In [96]:
```
e = 5
e
```

Out[96]: 5

In [98]:
```
e = e+1
e
```

Out[98]: 6

In [118…
```
e +=2
e
```

Out[118… 1

In [120… `del(e)`

In [122… `print(e)`

```
------------------------------------------------------------------------
NameError                                   Traceback (most recent call last)
Cell In[122], line 1
----> 1 print(e)

NameError: name 'e' is not defined
```