In [ ]:
```
# Operator

    # Arithematic
    # Comparion
    # logical
    # assignment
    # bitwise
```

In [ ]:
```
+ ,-, * /,
```

In [9]:
```
# Arithematic
    # addition
    # substraction
    # multiple
    # divide
    # modules
    # floor divion
    # Exponential **


print(2+2)
print(2- 2)
print(2 * 2)
print(19 / 2)
print(19 // 2)
print(2 % 2)
print(3 ** 3) #= 3 x 3 x 3
```

```
4
0
4
9.5
9
0
27
```

In [ ]:
```
# Comparsion operator

# > ,< ==, =<,>=,!=
```

In [10]:
```
3 > 2
```

Out[10]:
```
True
```

In [12]:
```
print(10 > 5)
print(10 < 5)
print(10 >= 5)
print(10 == 5)
print(10 <= 5)
print(10 != 5)
```

```
True
False
True
False
False
True
```

In [ ]:
```
# Logical operator

and-----> All the condition is True, then result will be show
or ---> Any one of them is "True", result will be show
```

In [4]:
```
# and
age = 50

if (age >= 50) and (age <= 50) and (age > 50):
    print("pass")
```

In [5]:
```
# or
if (age == 49) or (age >=50):
    print("values")
```

```
values
```

In [ ]:
```
## Assignment operator
```

In [9]:
```
i = 0
while i < 10:
    print(i)
    #i = i + 1
    i +=2
```

```
0
2
4
6
8
```

In [ ]:
```
i = i+1

i +=1

i = i -1
i = i * 1

==
```

In [10]:
```
age = 50

if age == 50:
    print(f"Age is {age}")
```

```
Age is 50
```

In [11]:
```
## Bitwsie

# And  --> &
# Or  ---> |
# not  ---> ~-


2 & 3

2= 0010
3= 0011


ANd--> 0-->1==0  1-->1 = 1
0010
0011
----
0010
```

Out[11]:
```
2
```

In [15]:
```
bin(2)
```

Out[15]:
```
'0b10'
```

In [16]:
```
2  | 3
```

Out[16]:
```
3
```

In [27]:
```
print(~-2)
```

```
1
```

In [ ]: