Addition

In [1]:
```
10+20
```

Out[1]:
```
30
```

In [2]:
```
20+30
```

Out[2]:
```
50
```

In [3]:
```
-10+20
```

Out[3]:
```
10
```

In [4]:
```
-2+3
```

Out[4]:
```
1
```

In [5]:
```
-10+10
```

Out[5]:
```
0
```

In [7]:
```
(-10)+(-10)
```

Out[7]:
```
-20
```

In [8]:
```
(100)+(-50)
```

Out[8]:
```
50
```

In [10]:
```
x=100
y=200
z=x+y
print(z)
```

```
300
```

In [15]:
```
a=int(input("Enter first number:"))
b=int(input("Enter second number:"))
c=a+b
print("Addition is",c)
```

```
Enter first number:10
Enter second number:20
Addition is 30
```

Subtraction

In [18]:
```
100-50
```

Out[18]:
```
50
```

In [20]:
```
10--10
```

Out[20]:
```
20
```

In [23]:
```
-20-30
```

Out[23]:
```
-50
```

In [22]:
```
-10-20-30
```

Out[22]:
```
-60
```

In [23]:
```
a=-1000
b=-500
print(a-b)
```

```
-500
```

In [26]:
```
a=int(input("Enter first number:"))
b=int(input("Enter second number:"))
c=int(input("Enter third number:"))
print(a-b-c)
```

```
Enter first number:1000
Enter second number:500
Enter third number:100
400
```

Multiplication

In [28]:
```
10*10
```

Out[28]:
```
100
```

In [29]:
```
10*-5
```

Out[29]:
```
-50
```

In [30]:
```
10*0
```

Out[30]:
```
0
```

In [31]:
```
a=100
b=100
print(a*b)
```

```
10000
```

In [34]:
```
x=int(input("Enter first number:"))
y=int(input("Enter second number:"))
z=int(input("Enter third number:"))
print(x*y*z)
```

```
Enter first number:10
Enter second number:20
Enter third number:30
6000
```

Division and Floor Division

In [35]:
```
1000/20
```

Out[35]:
```
50.0
```

In [36]:
```
100/10
```

Out[36]:
```
10.0
```

In [37]:
```
1000//20
```

Out[37]:
```
50
```

In [38]:
```
100//10
```

Out[38]:
```
10
```

In [39]:
```
a=1000
b=100
print(a/b)
```

```
10.0
```

In [40]:
```
print(a//b)
```

```
10
```

Modulo (Mod)

In [41]:
```
100%10
```

Out[41]:
```
0
```

In [42]:
```
505%5
```

Out[42]:
```
0
```

In [43]:
```
20%1
```

Out[43]:
```
0
```

In [44]:
```
7%3
```

Out[44]:
```
1
```

In [45]:
```
19%2
```

Out[45]:
```
1
```

In [46]:
```
a=40
b=20
print(a%b)
```

```
0
```

In [47]:
```
a=37
b=5
print(a%b)
```

```
2
```

Power

In [1]:
```
2**3
```

Out[1]:
```
8
```

In [2]:
```
3**5
```

Out[2]:
```
243
```

In [3]:
```
1**2
```

Out[3]:
```
1
```

In [4]:
```
5**5
```

Out[4]:
```
3125
```

Square

In [5]:
```
10**2
```

Out[5]:
```
100
```

In [6]:
```
5**2
```

Out[6]:
```
25
```

In [7]:
```
2**2
```

Out[7]:
```
4
```

In [8]:
```
25**2
```

Out[8]:
```
625
```

Square root

In [9]:
```
100**0.5
```

Out[9]:
```
10.0
```

In [10]:
```
25**0.5
```

Out[10]:
```
5.0
```

In [11]:
```
4**0.5
```

Out[11]:
```
2.0
```

In [12]:
```
625**0.5
```

Out[12]:
```
25.0
```

Binary

In [13]:
```
bin(1024)
```

Out[13]:
```
'0b10000000000'
```

In [14]:
```
bin(2048)
```

Out[14]:
```
'0b100000000000'
```

In [15]:
```
bin(100)
```

Out[15]:
```
'0b1100100'
```

In [16]:
```
bin(1000)
```

Out[16]:
```
'0b1111101000'
```

Hexadecimal

In [17]:
```
hex(1024)
```

Out[17]:
```
'0x400'
```

In [18]:
```
hex(2048)
```

Out[18]:
```
'0x800'
```

In [19]:
```
hex(100)
```

Out[19]:
```
'0x64'
```

In [20]:
```
hex(1000)
```

Out[20]:
```
'0x3e8'
```

Round

In [21]:
```
round(3.1423421,2)
```

Out[21]:
```
3.14
```

In [22]:
```
round(3.1423421,3)
```

Out[22]:
```
3.142
```

In [23]:
```
round(9.81342,5)
```

Out[23]:
```
9.81342
```

In [24]:
```
round(9.843212,7)
```

Out[24]:
```
9.843212
```

Order of operations

In [27]:
```
10+29-30*40
```

Out[27]:
```
-1170
```

In [28]:
```
-20+30/2
```

Out[28]:
```
-5.0
```

In [30]:
```
20+30/2
```

Out[30]:
```
35.0
```

In [31]:
```
20+30//2
```

Out[31]:
```
35
```

In [32]:
```
#Use parentheses to specify orders
```

In [33]:
```
(20+30)-(10*2)
```

Out[33]:
```
30
```

In [36]:
```
(10+29+30)*(200-100)
```

Out[36]:
```
6000
```

In [37]:
```
(10)+(20)*(30)
```

Out[37]:
```
60
```

In [38]:
```
(20*30*40+50)/(200/10)
```

Out[38]:
```
1202.5
```