Arithmetic operations:

a=5

b=8

print("addition:",a+b)

print("subtraction:",a-b)

print("multiplication:",a\*b)

print("modulus:",a%b)

print("division:",a/b)

print("floor division:",a//b)

print("exponential:",a\*\*b)

OUTPUT:

addition: 13

subtraction: -3

multiplication: 40

modulus: 5

division: 0.625

floor division: 0

exponential: 390625

Relational operators:

a=13

b=33

print(a>b)

print(a<b)

print(a==b)

print(a>=b)

print(a<=b)

print(a!=b)

OUTPUT:

False

True

False

False

True

True

ASSIGNMENT OPERATOR:

a=10

b=a

b+=a

print(b)

b-=a

print(b)

b\*=a

print(b)

b<<=a

print(b)

OUTPUT:

20

10

100

102400

BITWISE OPERATOR:

a=10

b=4

print(a&b)

print(a|b)

print(a>>b)

print(a<<b)

print(a^b)

print(~a)

OUTPUT:

0

14

0

160

14

-11

IDENTITY OPERATOR:

a=10

b=20

c=a

print(a is not b)

print(a is c)

OUTPUT:

True

True

MEMBERSHIP OPERATOR:

x=24

y=20

list=[10,20,30,40]

if("y in list" ):

print("y is present in list")

else:

print("y is not in list")

OUTPUT:

y is present in list

CONDITIONAL STATEMENTS:

a=10

b=12

c=30

if(a>b and a<c):

print(a)

elif(b>a and b>c):

print(b)

elif(c>a and c>b):

print(c)

OUTPUT:

30