**Aim:**Write aprogram to implement all mathematical, relational, logical and bitwise operators in python.

**Code:**

**Mathematical operators**

a=8

b=10

print(a)

print(b)

add = a+b

sub = b-a

mult = a\*b

divfloat = b/a

divfloor = b//a

mod = b%a

print(" \n Results \n")

print(add)

print(sub)

print(mult)

print(divfloat)

print(divfloor)

print(mod)

**Relational operators**

a=8

b=10

print(a)

print(b)

a>b

a<b

a==b

a!=b

a>=b

a<=b

**Logical operators**

a=True

b=False

print(a)

print(b)

a and b

a or b

not a

**Bitwise operators**

a=8

b=10

print(a)

print(b)

print(a & b)

print(a | b)

print(~a)

print(a ^ b)

print(a >> 2)

print(a << 2)

**Output:**







