

Aim:

Write a python program to perform arithmetic, assignment, logical, and comparison operators?

Source Code:Operators.py

```
import math
x = int(input("Enter A Number : "))
y = int(input("Enter A Number : "))
print("x + y =",x+y)
print("x - y =",x-y)
print("x * y =",x*y)
print("x / y =",x/y)
print("x // y =",x//y)
print("x ** y =",x**y)
print("After Incrementing x by 1 , x = ",x+1)
print("After Decrementing x by 1 , x = ",x-1)
print("After Multiplying x by 5 , x = ", (x)*5)
print("After Dividing x by 5 , x = ", (x*5)/5)
print("x > y is",x>y)
print("x < y is",x<y)
print("x == y is",x==y)
print("x != y is",x!=y)
print("x >= y is",x>=y)
print("x <= y is",x<=y)
c = input("Enter Either True or False : ")
d = input("Enter Either True or False : ")
print("x and y is",x > 0 and y > 0)
print("x or y is",x > 0 or y > 0)
print("not x is",not x)
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter A Number : 3
Enter A Number : 2
x + y = 5 True
x - y = 1 True
x * y = 6 True
x / y = 1.5 True
x // y = 1 True
x ** y = 9 True
After Incrementing x by 1 , x = 4 True
After Decrementing x by 1 , x = 3 True
After Multiplying x by 5 , x = 15 True
After Dividing x by 5 , x = 3.0 True
x > y is True True

x < y is False True
x == y is False True
x != y is True True
x >= y is True True
x <= y is False True
Enter Either True or False : True
Enter Either True or False : True
x and y is True
x or y is True
not x is False