S.No: 8	Exp. Name: ***Bitwise Operator***	Date:2024-08-20

Aim:

Take two integers x and y as inputs from the console using input() function. For each bitwise operator (>> , <<, &, |, ~, and ^), print to the console, the result of applying these operators on the two input integers as shown in the example.

Sample Input and Output:

```
x: 52
y: 20
52 >> 20 is 0
52 << 20 is 54525952
52 & 20 is 20
52 | 20 is 52
~ 52 is -53
52 ^ 20 is 32
```

Source Code:

Bitopexample1.py

```
x=int(input("x: "))
y=int(input("y: "))
print(f"{x} >> {y} is",x>>y)
print(f"{x} << {y} is",x<<y)
print(f"{x} & {y} is",x&y)
print(f"{x} | {y} is",x|y)
print(f"~ {x} is",~x)
print(f"{x} ^ {y} is",x^y)
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
x: 30
y: 2
30 >> 2 is 7
30 << 2 is 120
30 & 2 is 2
30 | 2 is 30
~ 30 is -31
30 ^ 2 is 28

Test Case - 2
User Output
x: 10
y: 20
10 >> 20 is 0
10 << 20 is 10485760

10 & 20 is 0
10 | 20 is 30
~ 10 is -11
10 ^ 20 is 30