## 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

```python
x=int(input("x: "))
y=int(input("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,"is" ,~x)
print(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
```