

Demonstrate the use of Bit Wise Operators in Python.

Code

```
# Define two numbers

a=int(input("Enter the 1st Number"))
b=int(input("Enter the 2nd Number"))

# Bitwise AND
and_result = a & b
print(f"Bitwise AND of {a} and {b} is {and_result} ")

# Bitwise OR
or_result = a | b
print(f"Bitwise OR of {a} and {b} is {or_result} ")

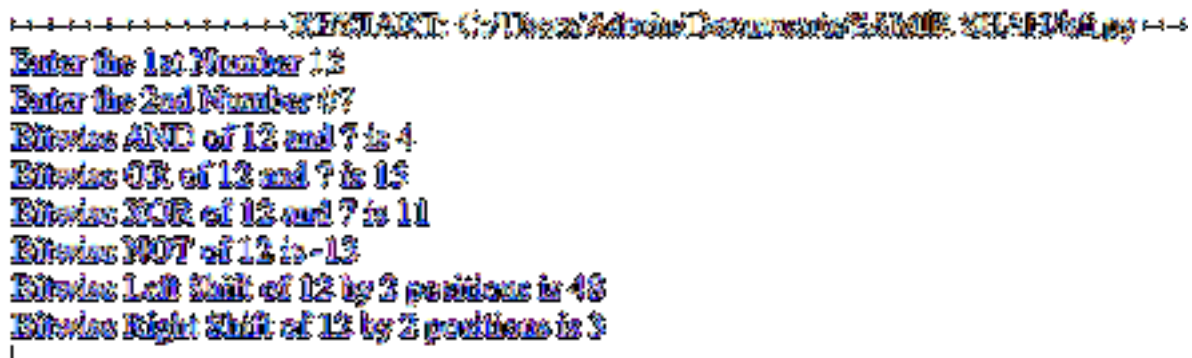
# Bitwise XOR
xor_result = a ^ b
print(f"Bitwise XOR of {a} and {b} is {xor_result} ")

# Bitwise NOT
not_result = ~a
print(f"Bitwise NOT of {a} is {not_result}")

# Bitwise Left Shift
left_shift_result = a << 2
print(f"Bitwise Left Shift of {a} by 2 positions is {left_shift_result} ")

# Bitwise Right Shift
right_shift_result = a >> 2
print(f"Bitwise Right Shift of {a} by 2 positions is {right_shift_result} ")
```

OUTPUT:-



```
PYTHON: C:\Users\Aditya\Documents>python Bitwise.py
Enter the 1st Number :12
Enter the 2nd Number :7
Bitwise AND of 12 and 7 is 4
Bitwise OR of 12 and 7 is 15
Bitwise XOR of 12 and 7 is 11
Bitwise NOT of 12 is -13
Bitwise Left Shift of 12 by 2 positions is 48
Bitwise Right Shift of 12 by 2 positions is 3
|
```