**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:-**

