

```

1. #include <stdio.h>
int main()
{
    int a, b;
    printf("Enter two integer values: ");
    scanf("%d %d", &a, &b);
    printf("\nBitwise AND(&): %d & %d = %d", a, b, a&b);
    printf("\nBitwise OR(|): %d | %d = %d", a, b, a|b);
    printf("\nBitwise XOR(^): %d ^ %d = %d", a, b, a^b);
    printf("\nBitwise NOT(~): ~%d = %d", a, ~a);
    printf("\nLeft shift (<<): %d << 1 = %d, %d << 1 = %d", a, a<<1, b, b<<1);
    printf("\nRight shift (>>): %d >> 1 = %d, %d >> 1 = %d", a, a>>1, b, b>>1);
    return 0;
}

```

### Input

Enter two integer values: 5 3

### Output

Bitwise AND(&): 5 & 3 = 1

Bitwise OR(|): 5 | 3 = 7

Bitwise XOR(^): 5 ^ 3 = 6

Bitwise NOT(~): ~5 = -6, ~3 = -4

Left shift (<<): 5 << 1 = 10, 3 << 1 = 6

Right shift (>>): 5 >> 1 = 2, 3 >> 1 = 1