

1. `#include <stdio.h>`

`int main()`

`{`

`printf("Enter two integer values:");`

`scanf("%d %d", &a, &b);`

`printf("\n Bitwise AND (&): %d & %d = %d", a, b, a & b);`

`printf("\n Bitwise OR (|): %d | %d = %d", a, b, a | b);`

`printf("\n bitwise XOR (^): %d ^ %d = %d", a, b, a ^ b);`

`printf("\n bitwise NOT (~): ~%d = %d, ~%d = %d", a, ~a, b, ~b);`

`printf("\n left shift (<<): %d << 1 =`

`%d, %d << 1 = %d", a, a << 1, b, b << 1);`

`printf("\n right shift (>>): %d >> 1 = %d,`

`%d >> 1 = %d\n", 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