

Bitwise Operator

These operators internally convert the operands into binary format and performs bitwise operations (i.e., bitwise and , or ,not , left shift ,right shift ,exclusive or) . The binary format result is again converted back to decimal format and finally gives the result.

| Name | Operator | Syntax | Example |
|----------------------|----------|---------------------|-----------------------|
| Bitwise and | & | Operand1 & operand | 2 & 3 Output = 2 |
| Bitwise or | | Opernad1 operand2 | 3 4 Output = 7 |
| Bitwise not | ~ | ~ operand | ~ 4 Output = -5 |
| Left shift | << | Operand << value | 5 << 2 Output = 20 |
| Right shift | >> | Operand >> value | 6 >> 3 Output = 0 |
| Bitwise exclusive or | ^ | Operand1 ^ operand2 | 7 ^ 8 Output = 15 |

Ternary Operator

This operator is the simplest form of ' if - else ' conditional statement. If condition is true it returns value1 else returns value2.

Syntax :

Condition ? value1 : value2

Example :

2 > 3 ? 2 : 3

Output : 2

