Bitwise operators are used for performing the manipulation of individual bits of a number.

The bitwise operators are: &, |, ^, ~, <<, >>

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| **Operators** | **Use** |
| **&** | It returns bit by bit AND of input values, i.e., if both bits are 1, it gives 1, else it shows 0. |
| **|** | It returns bit by bit OR of input values, i.e., if either of the bits is 1, it gives 1, else it shows 0. |
| **^** | It returns bit by bit XOR of input values, i.e., if corresponding bits are different, it gives 1, else it shows 0. |
| **~** | It returns the complement of the input values, i.e., with all bits inverted, which means it makes every 0 to 1, and every 1 to 0. |
| **>>** | The right shift operator moves all bits by a given number of bits to the right. If shifted one time, the input value is halved once and ground value is taken. |
| **<<** | The left shift operator moves all bits by a given number of bits to the left. If shifted one time, the input value is doubled once. |

Example:

