

Bitwise not operation: A "bitwise not" operator is a unary operation that flips the bits of a binary number, meaning each 0 becomes a 1 and each 1 becomes a 0, essentially performing a logical negation on each individual bit within a value; in most programming languages, it is represented by the tilde symbol (~)

Let's take a value of 6

Now its binary value is 0110

So bitwise not value will be 0110

+1

- (0111) which is equivalent to -7

so, the bitwise not value of 6 is -7