How Negative Numbers are stored.

Negative numbers are in 2's Compliment form. Let lost bit will be always 1

example:

POSITIVE

char x=5;

Binarny form of x will be 0000 0101

NEGATIVE

char x=-5

Binary form of 5 is 0000 0101

1's Compliment is 1111 1010

2's Compliment is 1111 1011 (2's comp = 1's comp + 1)

~ Operator

Operator will invert the bits of a variable

char x=5

Binary form is 0000 0101

x=~x will be 1111 1010

Left most bit is 1 so it is a negative number

Finding the value of 1111 1010

1's compliment will be 0000 0101

2's compliment will be 0000 0110 = 6

Therefor 1111 1010 is a -6

Bitwise operators don't work on float

Bitwise operators works only on int and char type