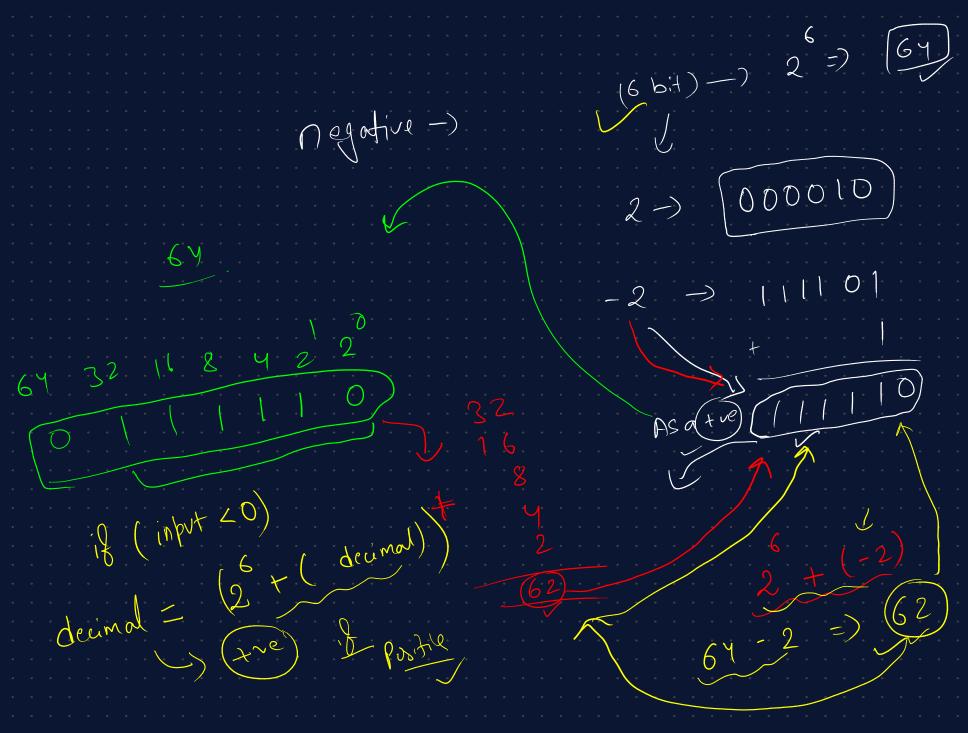
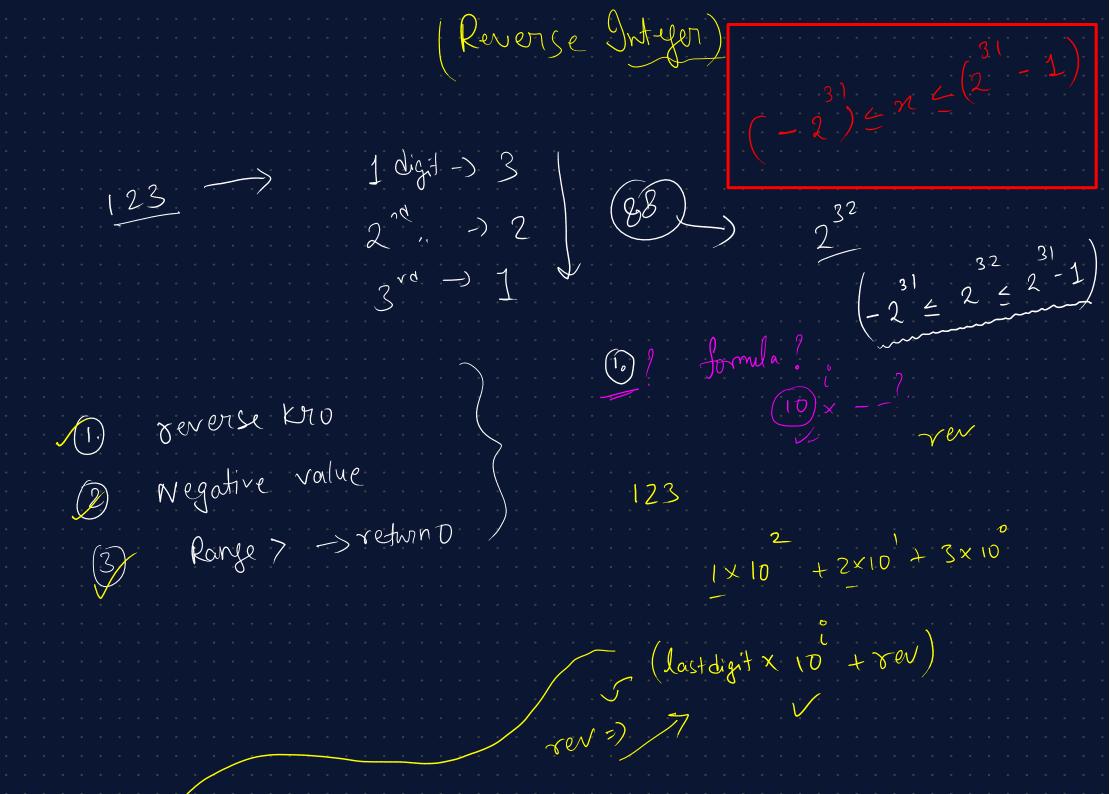
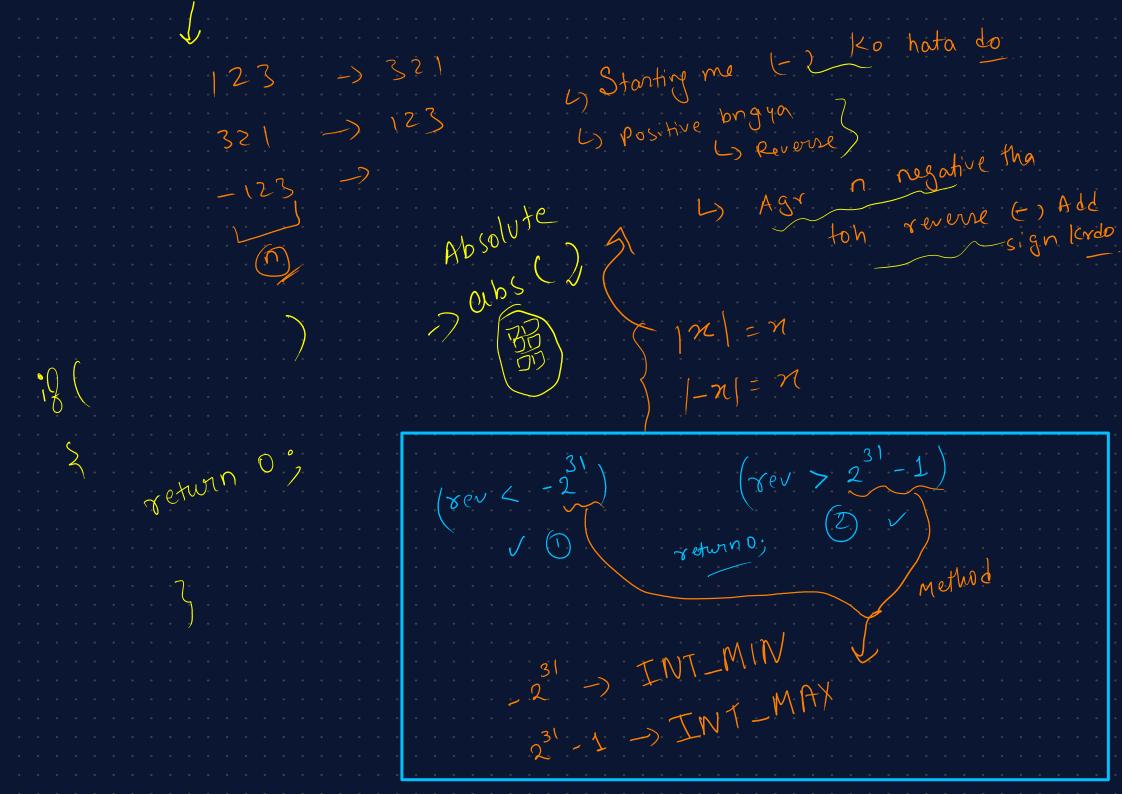
## Class - 7 (Tuesday, 14th May 2024)

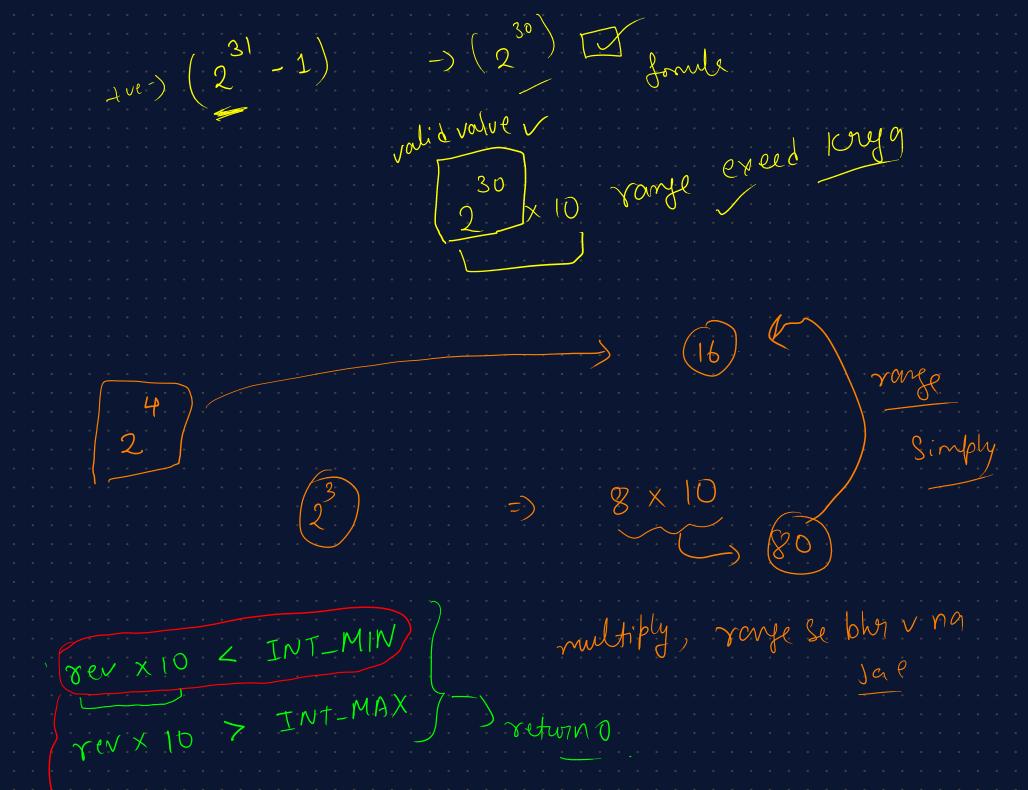




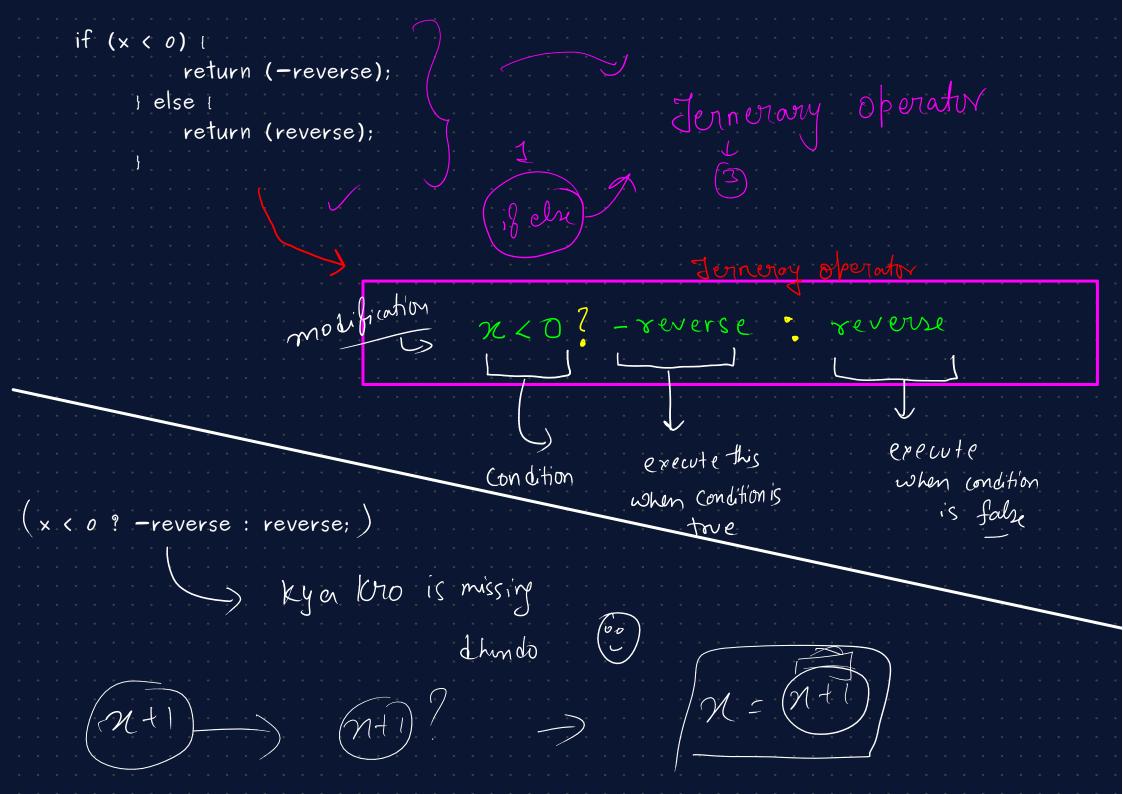


 $\frac{2}{(10 + 2 \times 10 + 3 \times 10)}$  (rev =0) 3 × 10 +0 =)  $2 \times 10^{1} + 3 \Rightarrow 23$  $1 \times 10^{2} + 23 =)$  (123)  $\times ev \times$ Somula glat har

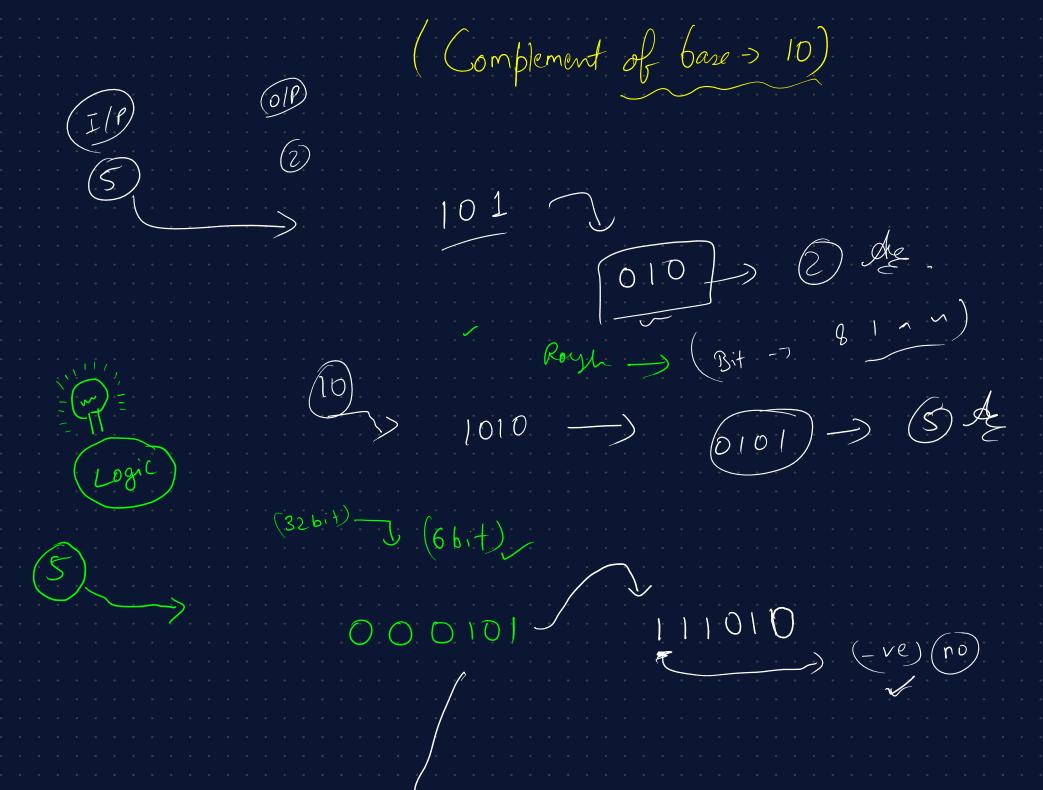
ver > INT\_MAX ver < INT\_MIN Rough: Range:-(100) Je varge Se term

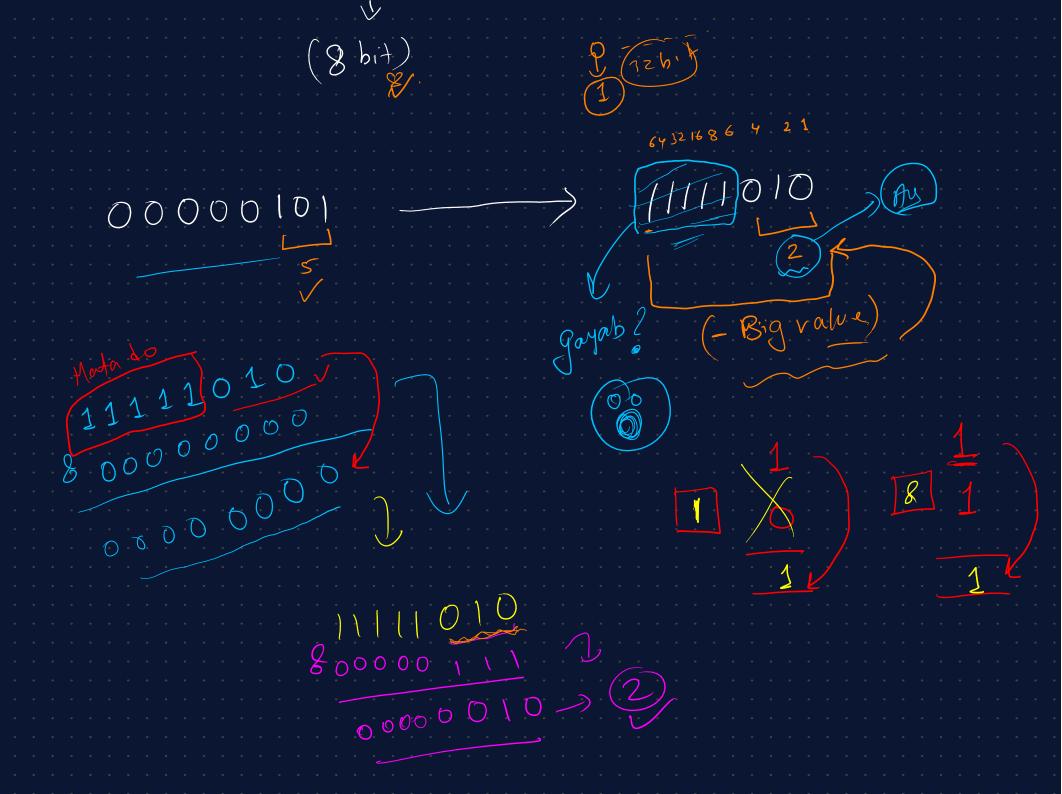


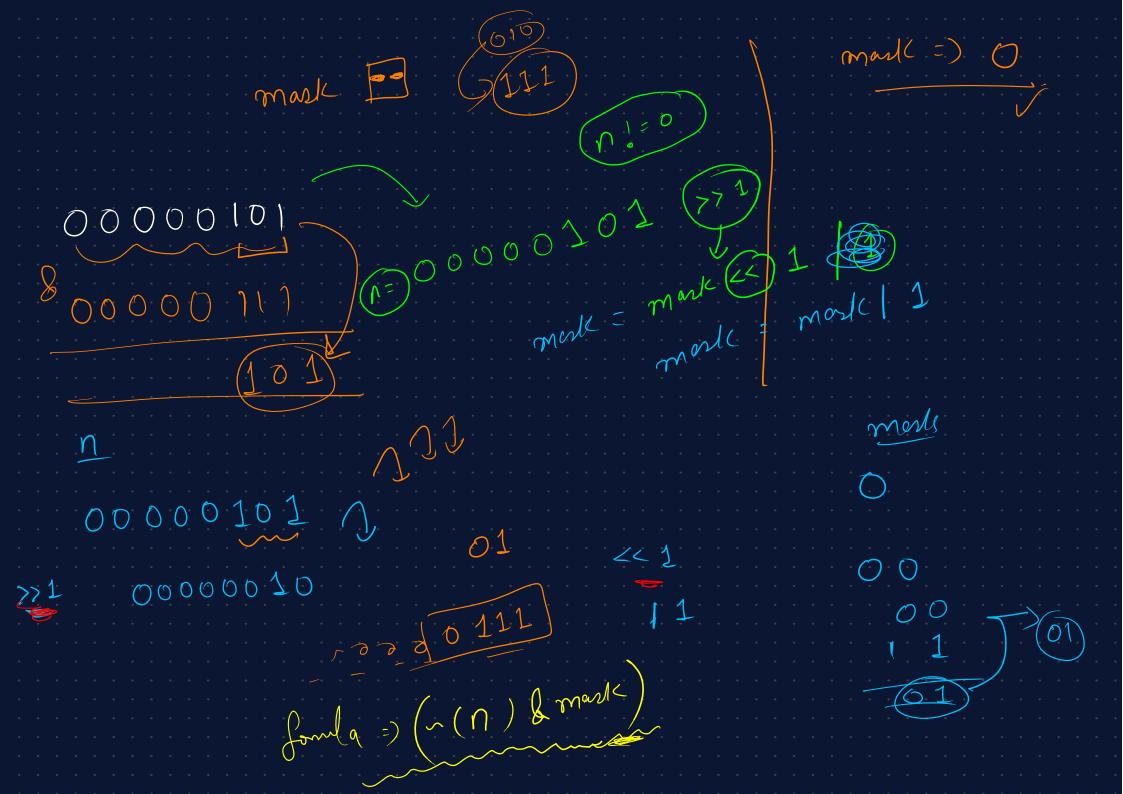
[Valid rev < INT\_MIN min: (-2 8 × 0 may s lopi (Lon x 10) bahar jayega toh kya 807 gute ger, int Sorbage valve



```
class Solution (
public:
                                                 (Revense Integer)
    int reverse(int x)
        int temp = x, lastdigit, reverse = 0;
        // negative ignore kro
        temp = abs(temp);
        // finding reverse
        while (temp) 1
            lastdigit = temp / 10;
            if (reverse < INT_MIN / 10 || reverse > INT_MAX / 10) {
                 return o;
            reverse = (reverse * 10) + lastdigit;
            temp = temp / 10;
        reverse = x < 0 ? -reverse : reverse;
        return reverse;
```







```
class Solution
public:
    int bitwiseComplement(int n)
        int temp = n, mask = 0;
        if (temp == 0)
           return 1;
        while (temp > 0) {
            mask = (mask << 1) |
            temp = temp >> 1;
        return ~(n)&mask;
              (H.W)
        476. Number Complement
```

```
class Solution (
           public:
               int bitwiseComplement(int n) {
                   int mask = 0;
                   // edge case o
                   if (n == 0) {
000 107
                        return 1;
  000010
                   while (n)
                       N = N >> 1;
         (oned
                       mask = (mask << 1) | 1;
        ()=0
                   return (~(n)&mask);
```

Lost -) Power of (2) 8 ? Ine: false)  $\frac{0}{1/\rho} - \frac{8}{9}$ Mawa me notis barta Jaces -> Question 2 Breokdown B. down

