20 Oct

20 October 2022 21:30

In Class BT:

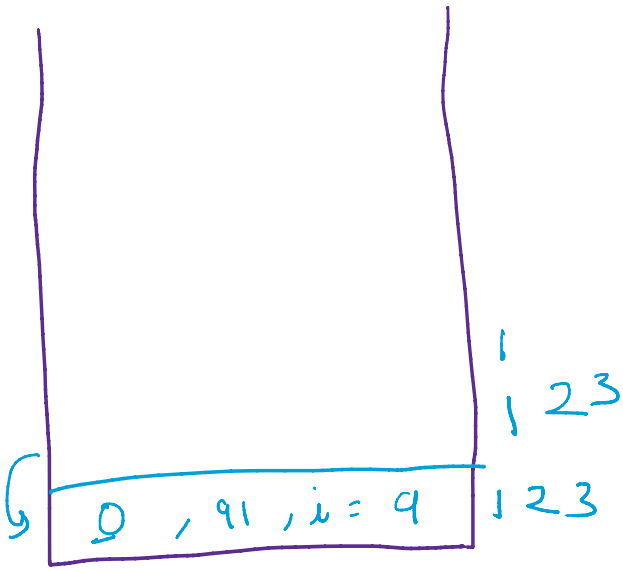
Count Digits:-

```
public static int uniqueDigits(int n,boolean[] visited,int curr){
    if(n==curr) return 1;
    int res=1;
    for(int i=(curr==0?1:0);i<=9;i++){
        if(visited[i])continue;
        visited[i]=true;
        res+=uniqueDigits(n,visited,curr+1);
        visited[i]=false;
    }
    return res;
}
```

0 1 2 3 4 5 6 7 8 9

[F, F, F, F, F, F, F, F, F, F]

n = 2



n = 0

0	1
0	9
1	9
2	9
3	9
4	9
5	9
6	9
7	9
8	9
9	9

+

91

2, 0

n,

k = 3

666 1234

66 4321

Max String:-

123456 =)

3

213456

321456 4231 56 523416

123456 623451

Triplets:- n=1 =) 1 1 1

Triplets :- n=1 => 1 1 1

n=2 => 2 1 1 1 2 1 1 1 2

```
sol(n) {
if(n==0) return
  Sout(n);
  sol(n-1);
  sout(n);
  Sol(n-1);
  Sout(n)
}
```

```
public static void triplets(int n){
  1 if(n==0)return;
  2 System.out.print(n);
  3 triplets(n-1);
  4 System.out.print(n);
  5 triplets(n-1);
  6 System.out.print(n);
}
```

3 2 1 1 2 1 1 1 2 3 2 1 1 1 2 1 1 1 2 3