

Engineering Animuthyam

Java DSA – Course Part - 22

ArrayList and Pascals Triangle Leetcode Problem.

Course Link:

<https://www.youtube.com/playlist?list=PLjzLBp9HHZWWhVXBSPS1VqxXXDoVk07gd9>

Website Link:

<https://www.vigneshreddyjulakanti.in/>

Hello machas, Bagunnara.

1D ArrayList

2D ArrayList

```
ArrayList<ArrayList<Integer>> arr=new ArrayList<>();

ArrayList<Integer> temp = new ArrayList<>();
temp.add(5);
arr.add(temp);
System.out.println(arr);
```

Pascals Triangle Leetcode Problem.

<https://leetcode.com/problems/pascals-triangle/>

Solution

```
class Solution {
    public List<List<Integer>> generate(int numRows) {
        List<List<Integer>> ans = new ArrayList<>();
        if(numRows == 0){
            return ans;
        }
        List<Integer> firstRow = new ArrayList<>();
        firstRow.add(1);
        ans.add(firstRow);
        for(int i=1;i<numRows;i++){
            List<Integer> temp = new ArrayList<>();
            temp.add(1);
            for(int j=1;j<i;j++){
                System.out.println(i+" "+j);
                temp.add(ans.get(i-1).get(j-1)+ans.get(i-1).get(j));
            }
            temp.add(1);
            ans.add(temp);
        }
        return ans;
    }
}
```