Question: https://leetcode.com/problems/climbing-stairs/

Since we can take 1 or 2 steps so we check how many ways we can climb previous two stairs their sum will return how many ways we can climb the present stair, for this we could have used recursion but that would lead to repeating sub problems so I used an array to number of ways t climb i+1 th stair.

We consider base cases that 1st stair we can climb in one way, and 2nd stair we can climb in 2 ways, i.e., 1+1 steps, and 2 steps at a time

Code:  
class Solution {

public int climbStairs(int n) {

if(n==1){

return 1;

}

int[] stepChecker = new int[n];

stepChecker[0]=1;

stepChecker[1]=2;

for(int i=2; i<n; i++){

stepChecker[i] = stepChecker[i-1]+stepChecker[i-2];

}

return stepChecker[n-1];

}

}

Github Link :<https://lnkd.in/ecwtJeaz>