

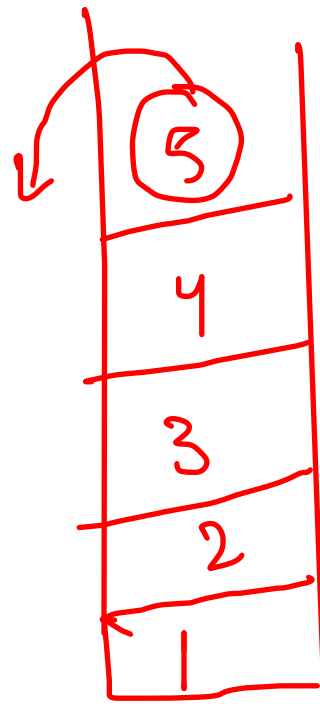
Revision

Stack → Data Structure

DSA → Data Structure & Algorithms.

LIFO → Last In First Out

5  
4  
3  
2  
1



push() — insert / add  
pop() — delete / remove  
size() — length  
isEmpty() — whether stack empty or not  
peek() — top element w/o removing.

stack < Data Type > st.name = new Stack<>();

collections → in-built functions

## 946. Validate Stack Sequences

```
class Solution {
    public boolean validateStackSequences(int[] pushed, int[] popped) {

        Stack<Integer> st = new Stack<>();

        // index to keep track of the position in the popped arr
        int popIndex = 0;

        // iterate over pushed arr
        for(int num : pushed){
            //
            st.push(num);

            while(!st.isEmpty() && st.peek() == popped[popIndex]){
                st.pop();
                popIndex++;
            }
        }
        return st.isEmpty();
    }
}
```