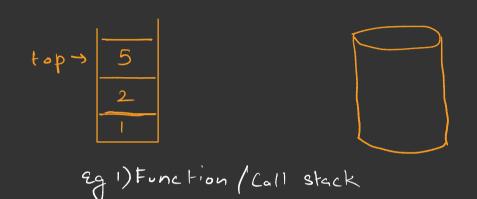
STACK Linear Data Structure LIFO (Last In First Out)



2) Undo/Redo

3) Forward / Back in a browser

Functions of Stack

1) Push -s add at top

2 Pop -> remove top

3 Peek -s returns top

y size - size of stack

3 Is Empty -> saturns s==0;

AgrayList 1 2 3 4 5 6 remove First O(n) add First O(n) add Last OLI) 0(1) remove Last class Stack ? AssocyList < Integers Rist; p void push (int val) & Dist addLost(val); int pop() ?

oraturn Dist. removelast();

3

b int peck() ?

oraturn Dist. get(Dist. size - 1)

3

Dist

Qist

Linked List Dramova First OU) add First Ou) semova Last O(h) add Last Och) is tail O(1) Agracy 3/5/9//// Class Stack & buch (3) push(s) int corr []; pash(9) int top; //-/ pop() peck() p void push (int val) z aere[++top] = Val;

Size () neturn top+1; p int pop L) ? neturn anttop--];

Ques Duplicate brackets ((a+6)+c) // galse (((a+6)) + c) 11 true

Ques Balanced Bracket

2 (J 3) 2 (3) golse

C2J2

2 at (b+c) + [(d+e) + 8] 11 true