DSA through Java
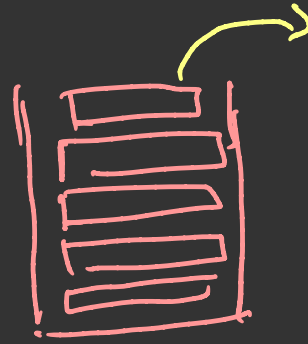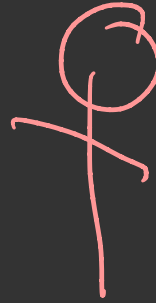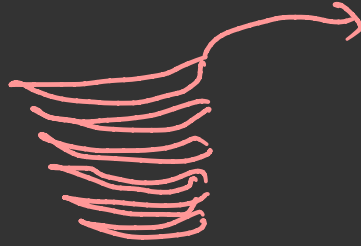
Stack

Saurabh Shukla (MySirG)

Agenda

1. what is STACK?

2. Operations on STACK

3. Ways to implement STACK

What is STACK?

- STACK is a linear Data Structures
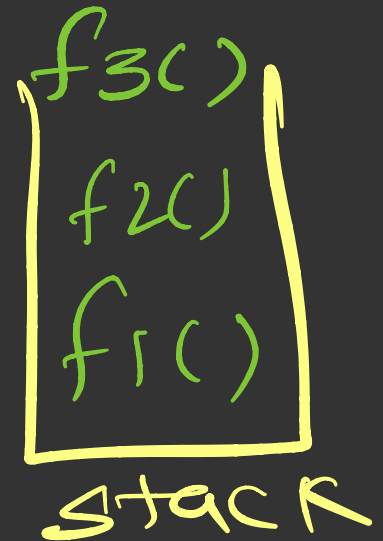- STACK's working principle is Last In First Out (LIFO)

Travell

Programming world examples of Stack

Recursion / function call

$f1() \rightarrow f2() \rightarrow f3() \rightarrow f4()$

$f4()$

$f3()$
$f2()$
$f1()$

stack

Operations on STACK

Insert	PUSH( )
Delete	POP( )
View top element	PEEK( )
	top

Ways to implement STACK

1. Using Arrays
2. Using Dyn Arrays
3. Using Linked List