

The background features a dark blue gradient with faint, light blue concentric circles and degree markings (40, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260) on the left side. There are also some circular arrows and dashed lines scattered across the background.

FUNDAMENTALS OF PROGRAMMING

PART XIII

CONTENTS

- Array
 - Taking Input
 - Showing Output
 - Operations Overview
- Stack

ARRAY

KNOW MORE ABOUT ARRAY AND ITS OPERATIONS

ARRAY

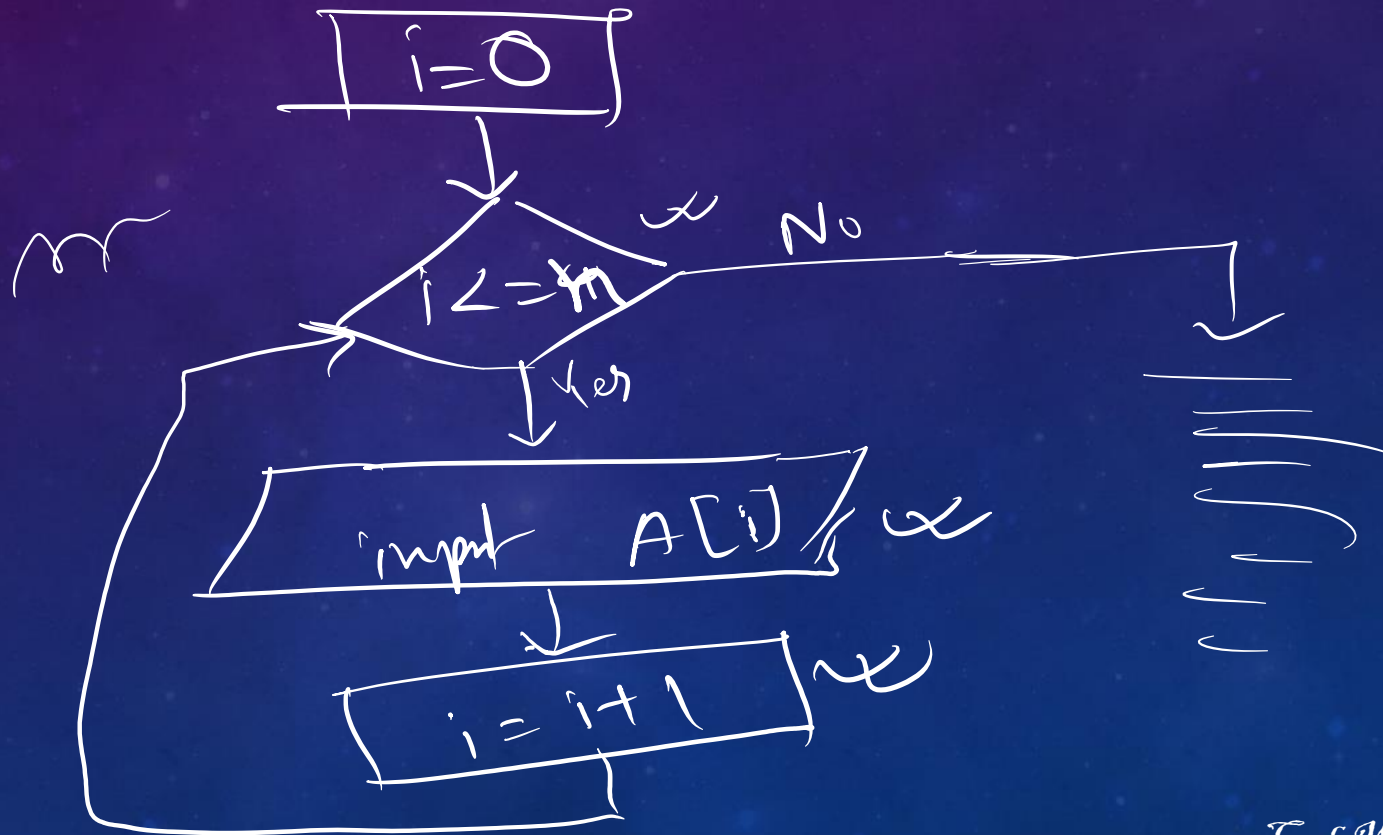
TAKING INPUT

broken ∞ ∞ A True/False

62	57	9	74	?
0	1	2	3	4

Index \rightarrow

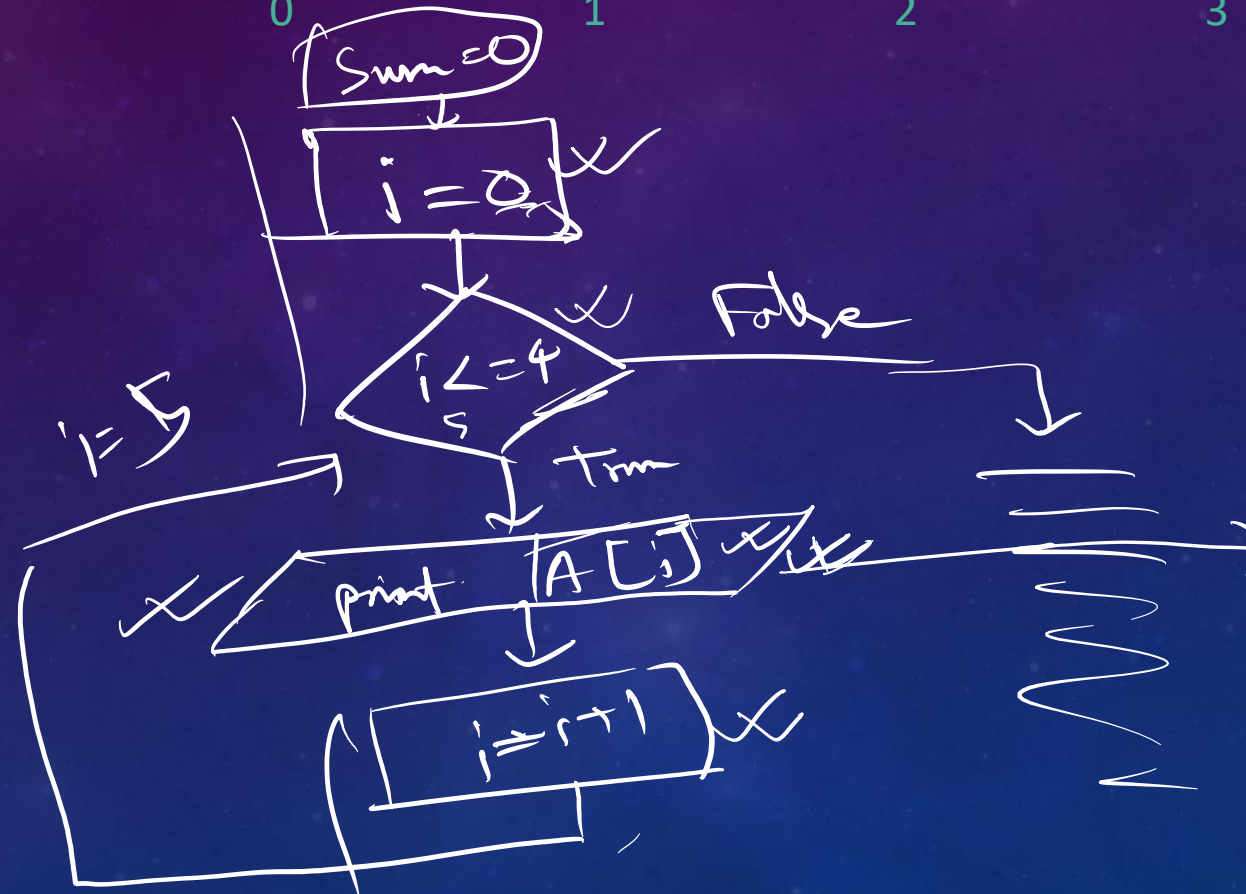
$i = 0$ \swarrow \searrow \swarrow \searrow



ARRAY

SHOWING OUTPUT

62	571	5	74	2
0	1	2	3	4



62 571 5 74 2

$$\text{Sum} = \text{Sum} + A[i]$$

ARRAY



Operations can be done on array:

- Display
- Add
- Insert
- Delete
- Search

- Get
- Set
- Max / Min
- Reverse
- Shift / Rotate

Data Structure

start 7

$A[2]$
 $A[2] = 30$

STACK

SECRETS OF STACK 

Ramadan Special Program

Code With Virus

STACK

Array / Stack / Queue / Linked List

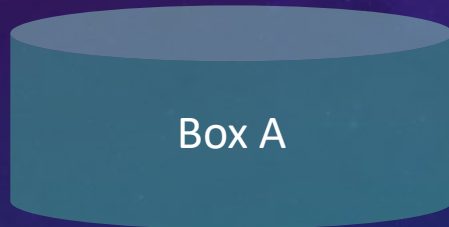
Stack is a linear data structure which follows a particular order in which the operations are performed. The order may be LIFO (Last In First Out) or FILO (First In Last Out).

There are two main operations on a Stack. One is PUSH and the other is POP.

FEEL THE STACK

TRY TO FEEL AND IMAGINE HOW STACK WORKS

FEEL THE STACK

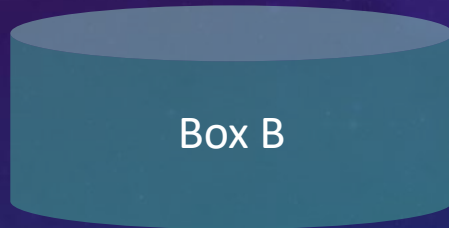


PUSH



TIFFIN BOX

FEEL THE STACK

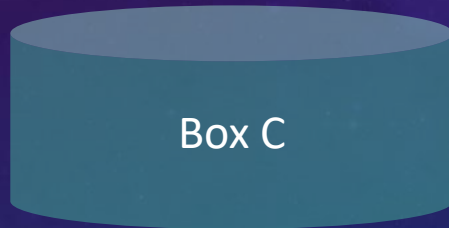


PUSH

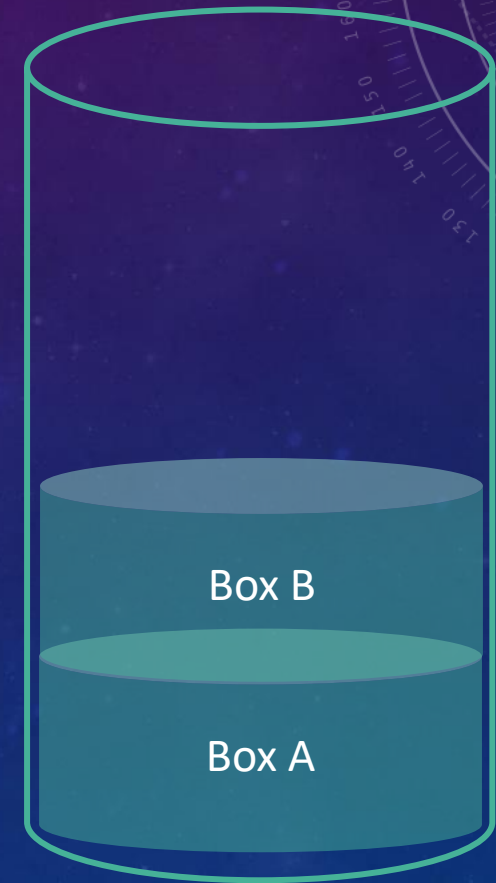


TIFFIN BOX

FEEL THE STACK

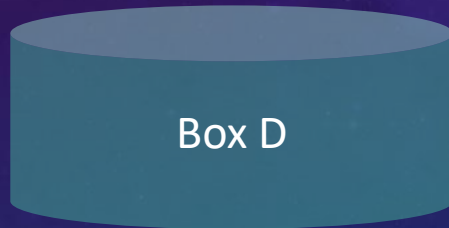


PUSH

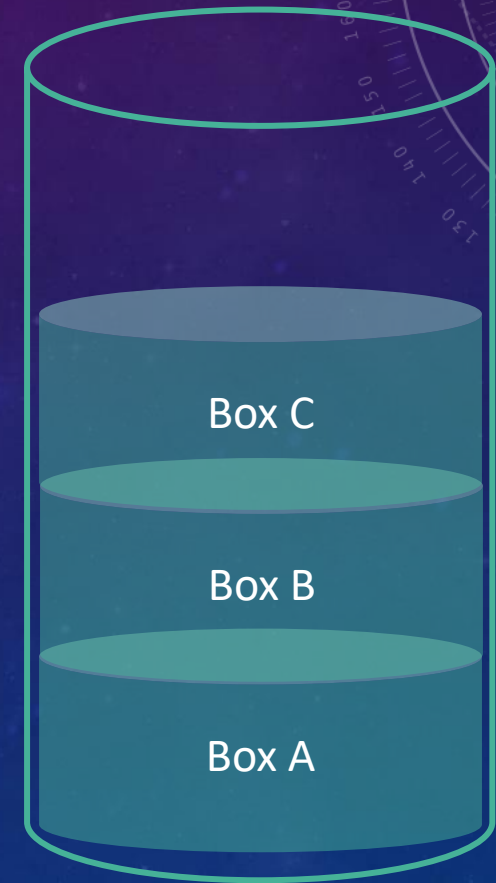


TIFFIN BOX

FEEL THE STACK



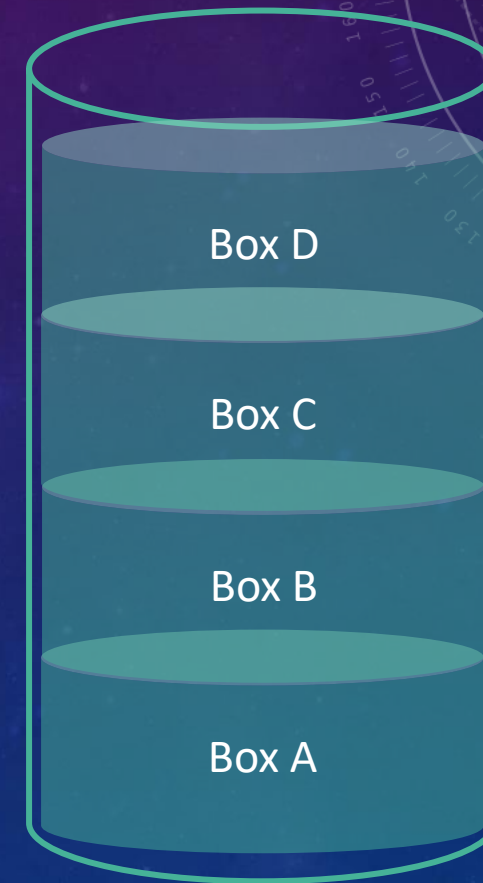
PUSH



TIFFIN BOX

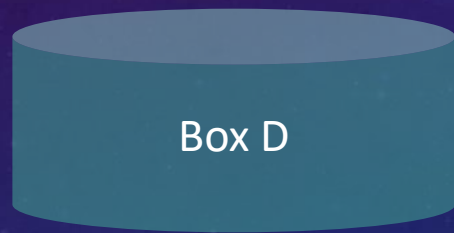
FEEL THE STACK

POP



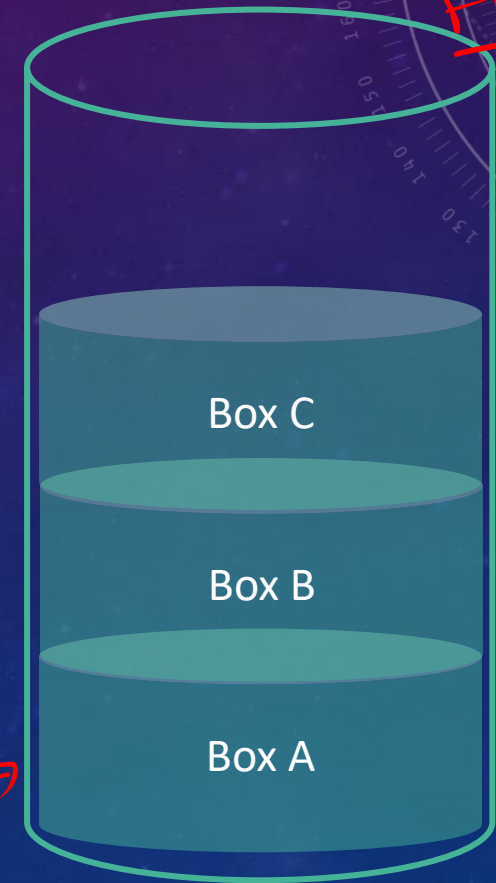
TIFFIN BOX

FEEL THE STACK



POP

*Last In
First Out*



TIFFIN BOX

First Out

Last In

FEEL THE STACK



THE END

PART XIII