

DSA through C++

Dynamic Array data structure

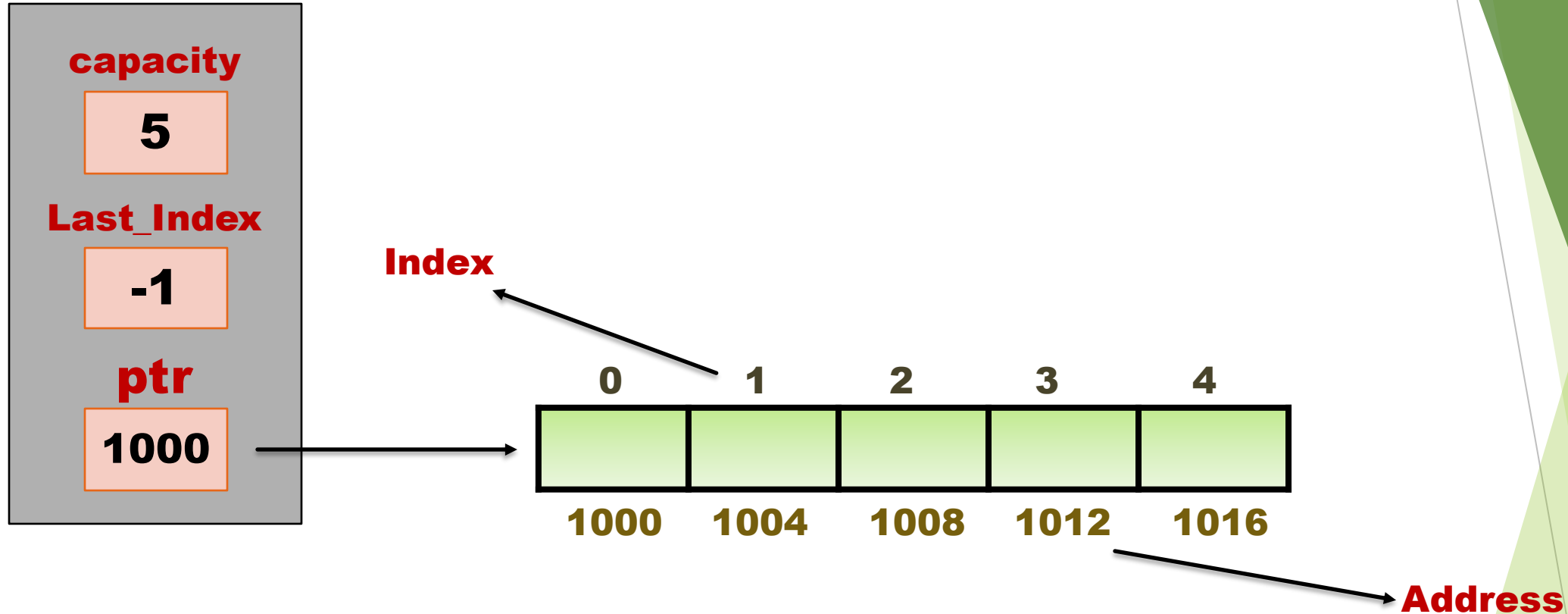


Mohammad Tasin (Tasin Coder)

Agenda

- **Introduction to Dynamic Arrays**
- **doubleArray()**
- **halfArray()**
- **Array Vs Dynamic Arrays**

Introduction to Dynamic Arrays



- **Dynamic array** में **size** को **increase** और **decrease** दोनों ही कर सकते हैं

doubleArray()

❖ When to grow array?

- **You are trying to insert or append data in an array and array is full**

halfArray()

When to call halfArray ?

- You are trying to delete a data from the array.
- After successful deletion, if array is half filled then call **halfArray()**

Array Vs Dynamic Arrays

- **Array can't grow or shrink**
- **Dynamic Array can grow or shrink**