# Stack:

Stack is a data structure which uses the logic called last in first out logic of handling data.



Push and Pop: LIFO.

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## What is Stack and why Stack is used in Data structure:

Many computer operations

Recursion

Other real life examples.

Used in Algorithm like DFS and very good memory management.

## What is stack??

As mentioned in the introduction of stack, it is a data structure which uses the ideology of last in first out way out working. It is used in many real life problem.

Ex: Bangle in a hand or seating in bus/seating arrangement.

## Why is stack used in data structure?

To support handling these type of real life problem stack data structure tool is the best way to solve the problems involving the LIFO related problems.

Push (Inserting) Pop (Deleting)

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# Methods and options available in Stack:

* Push
* Pop
* append
* peek
* isempty
* get stack

## Time for Stack operation:

Insertion/Deletion: O(1)

Search : O(n)