Saturday, 12 March 16

Crux
Lecture - 14
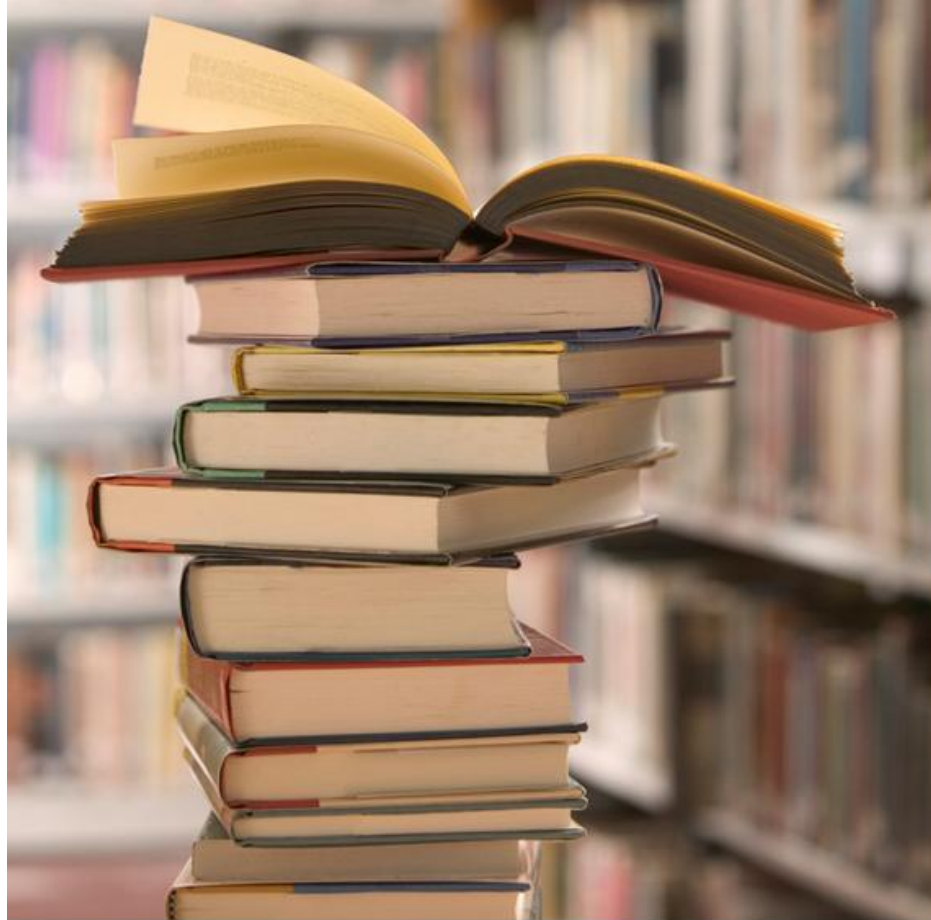
Data Structures - 2

Stacks

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CODING BLOCKS

Recursion and Pile of Books

Stacks

Stacks

```
class Stack{
    // accessor methods
    int size();
    boolean isEmpty();
    Object top() throws StackEmptyException;
    // update methods
    void push (Object element);
    Object pop() throws StackEmptyException;
}
```

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How to implement Stack Class?

- Arrays
- Linked List

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Lets Implement Our Own Stack Class Using Array

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Homework : Implement Stack Class Using Dynamic Arrays

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Your Turn: Implement Stack Class Using Linked List

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Lets solve few problems

- Given an expression, check if brackets are balanced e.g. { a + [b+ (c + d)] + (e + f) }
- Reverse a Stack with the help of another empty stack

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Thank You !! ☺

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