Programming in Java

LAB - 6 *Group -1* *30/09/13*

1. Write an interface **Stack** with three methods **isEmpty():Boolean**, **getTop():int** and **removeTop():Boolean**.

2. Construct an Abstract class **MyList** that represent a list using array. In the list, the i.v. is **List:int[]** which should be accessible only through methods. The size of the array is initially **3**.
   a. If you want more space, then the you should increase the size by three places (method:: **grow()**).
   b. If less than two-third of the boxes in the list are full, then you should reduce the size to two-third (*approximately*) (method:: **shrink()**).
   c. Add other methods **display()** and **getSize()**.
   d. Keep the method **add()** as abstract.

   *[**Note**: you can initially keep this class concrete to test if it works properly]*

3. Create a concrete class **MyStack** that inherits from **MyList** and **Stack**. Define the abstract methods as needed to implement stack's functionalities.

4. Write a driver class to demonstrate your stack.

[i.v. : instance variables]

Send your codes to: mnitlabs.apm@gmail.com
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