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## Assignment # 2

### Arrays, Link List, Expression Evaluation

Submission Dead Line: **Monday 5/10/2015**

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LATE SUBMISSION WILL NOT BE ACCEPTED

#### Question 1: (Arrays)

C++ does not provide dynamic multidimensional arrays. Develop a class template Array to provide such facility. Note that the array should hold elements of any type, and should be able to have any number of dimensions.

#### Question 2: (Expression Evaluation)

Develop a C++ program to evaluate constant expressions. The program works in following steps:

- 1) Take expression of variable size as input from user, use '#' as unary ('-') operator.
- 2) Convert this expression into post-fix notation using a stack.
- 3) Save the post-fix expression in a string and Print onto the screen
- 4) Compute or evaluate the post-fix expression using a stack
- 5) Print the final answer

You have to implement your own **stack** using **Link-List** structure and you must use this stack for Expression Evaluation.

HAPPY PROGRAMMING!