CSCI203 Algorithm and Data Structures
Lab Assg 2
July Session 2019

Objectives
- To practice solving problems using stack
- To be able to manipulate stack
- To practice writing solutions to problems in a clear and succinct way

Problem

Write a program to create a Stack data structure that store integer data values. Your program should display a menu of choices to operate the Stack data structure. See the sample menu below:

```
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                   Stack  Operations Menu
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1. Add items

2. Delete items

3. Show the number of items

4. Show min and max items

5. Find an item

6. Print all items

7. Exit

Enter your choice:1
```

Do not implement the stack with STL. The stack must be implemented using a fixed size array. The stack functions (i.e. push(), top(), pop(), isEmpty()) should be implemented below the main() and prototyped above the main().

Submission

Upload ZIP/RAR document titled yourname_W05_L2 into the correct submission folder in Moodle before 11pm Malaysian time. Late submission will not be accepted.

Your document should contain your source code, screen shots and other necessary files. Show your code and output during lab to receive your marks.

Marking Criteria
(1 mark for correctness, function as required, input/output
 1 mark for efficiency, validation, readability, display format)