CSCI 485 Programming Languages Assignment 6

Due Friday, March 25

- 1. (60 points) Using the constructs in SML, design a stack abstract data type for String elements in SML. Include operations for push, pop, top, and empty.
 - pop: the pop operation removes the element at the top of the stack and returns the new stack.
 - push: the push operation adds a new element to the top of the stack.
 - empty: the empty operation returns a Boolean value indicating whether the stack is empty.
 - top: the top operation returns the top value of the stack without removing it.

(40 points) In addition, provide at least one non-trivial unit test case in SML for each operations above.

Submit the source code in a zip file package in Blackboard.