

Algorithm Lab Test

You can use C# or Java. Test is open book but no web browsing

1. Write a linked list implementation of a Stack which stores char values rather than int values. You can adapt any existing Stack code you may have. It should have methods pop(), push() and isEmpty().

(5 marks)

2. Write a method isMember(char x) which returns true if x is in the stack and false otherwise.

(3 marks)

3. Write a method remove(char x) which removes the first occurrence of x if it is in the stack and returns true. If x not in the stack, it returns false;

(4 marks)