# CST8130: Data Structures Lab #4 - Recursion

***DUE: demonstrate in lab during week February 11– February 15***

## Problem Description:

Write the code for question 18.14 from the text book. Write a recursive method ***testPalindrome*** which returns a ***boolean*** value true if a ***String*** passed to it by the parameter list is a palindrome or false if it is not.   A palindrome is a string that is spelled the same backwards as forwards - ignoring spaces and upper/lower case differences.

***Examples: (blue is user input)***

Enter a string: abc Ba

This string is a palindrome Do another (Y/n)? y

Enter a string: radaR

This string is a palindrome Do another (Y/n)? y

Enter a string: RA!ce caR

This string is not a palindrome Do another (Y/n)? y

Enter a string: RAced caR

This string is not a palindrome Do another (Y/n)? n