# CS172 -- ASSIGNMENT #3

## NAME: DUE: March, 3/15 Received: .

**GRADE:**

|  |  |  |
| --- | --- | --- |
| **CATEGORY** | **POINTS** |  |
| EX03\_01 |  | 30 |
| EX03\_02 |  | 20 |
|  |  |  |
| **TOTAL** |  | 50 |

## Liang Chapters 9, 10

## EXERCISES:

**EX03\_01 –** Liang Programming Exercise 10.5, *Check palindrome*

**Hint: Read section 10.9 on stacks. Note that, if you make a stack out of a string, then the string and its stack should still have the same letters in the same order if it is a palindrome!**

**Hint 2: If you read up on stacks and still feel confused, notice that a string that reads the same whether read forwards or backwards is a planindrome.**

**EX03\_02 –** Liang Programming Exercise 10.13, *Geometry: n-sided regular polygon*