

CISC 3115 TY3

C21b: Recursion Exercises

Hui Chen

Department of Computer & Information Science

CUNY Brooklyn College

Exercises

- C21b-1: Math function
- C21b-2: Count occurrences of a specified character in a string

C21b-1: Compute Math Function

- Complete exercise 18.4 in the textbook, i.e., to compute $m(i) = 1 + 1/2 + 1/3 + \dots + 1/I$
 - Create directory C21b-1 in your weekly exercise repository
 - Write a class that has a recursive method to compute $m(i)$
 - Write a client class to test your recursive method
 - Use git to make a submission

C21b-2: Count Occurrences of Specified Character

- Complete exercise 18.10 in the textbook, i.e., to count occurrences of a specified character in a string.
 - Create directory C21b-2 in your weekly exercise repository
 - Write a class that has a recursive method to count the occurrences of a given character in a given string
 - Write a client class to test your recursive method
 - Use git to make a submission