

CISC 3115 EWQ6

Recursion Exercises

Hui Chen

Department of Computer & Information Science

CUNY Brooklyn College

Exercises

1. Math function
2. Count occurrences of a specified character in a string

Compute Math Function

- Complete exercise 18.4 in the textbook, that is, to compute $m(i) = 1 + 1/2 + 1/3 + \dots + 1/i$
 - Create a directory in your journal
 - 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

Count Occurrences of Specified Character

- Complete exercise 18.10 in the textbook, that is, to count occurrences of a specified character in a string.
 - Create a directory in your journal
 - 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