CISC 3115

Recursion Exercises

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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 $m(i) = 1 + 1/2 + 1/3 + \ldots + 1/i$

  - 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