System Programming Midterm Exam, Spring 2020, Class 1

1. Write a program that opens a file and count the number of space characters in it. For example if f1 is

h ll o

$ ex1 f1

There are 5 space characters in f1

2. Modify your code in Problem 1 such that it can count any given character in a file. For example if f1 is

h ll o hi

$ ex1 f1 h

There are 2 h's in f1

3. Modify your code in Problem 2 such that it can count the indicated character in all files in the current directory.