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CSCE 240, Section 001

Assignment 1 Report

For the first programming assignment, we were instructed to create a program that does the following:

- Take the district name as an input

- Read content from the district's URL or text version of the page

- Find the total number of lines, words, and characters in the file

- Output the content of the URL into a formatted file

First, I used a Scanner in the main method to take an input from the console to confirm that the user wants to get data about District 74. Next, I created a new method that will read and write an output. I chose to extract the data straight from the URL as I wanted to learn something new that I haven't done before. To do this, I created a variable "website", of type URL. I used BufferedReader to read the source code of District 74's page on the site. The reader then goes line by line and counts the number of lines, words, and characters per line. At the same time the BufferedWriter is outputting the contents of the URL and the collected statistics to a file. Once these processes are all done, the input and output streams are then closed to prevent an infinite loop from occurring.