

CSE2031

Lab 4 Winter 2016

In this lab, will learn how to read data from files and how to use pointers.

Specifications

Write an ANSI C program to perform spell checking.

The program reads a list of words available in a dictionary file. Each word is in a line by itself.

Then the program reads the input from the standard input and check every word read against the dictionary. If the word does exist in the dictionary, nothing happens. If the word is not in the dictionary, the program outputs a message

Error: word_read

Where the word_read is the word that does not exist in the dictionary followed by a new line.

The name of the dictionary file is dictionary.txt. For the time being, put that file in the same directory as the source code. Later I will post the actual file name and path.

Assumption to simplify the lab:

The maximum number of words in the dictionary is 200

The maximum word length is 20 characters.

You will submit two programs in this lab

The first case does deal with a simple input where words in the text to be spell checked are separated by spaces or new line. **Submit as L4.c** that is 70% of your mark in this assignment.

In the second case, the program deals with a more realistic, and more complicated input. In this case, the words in the text to be spell checked are separated by comma, period, space(s), tabs, new lines, or any combinations of the previous characters. **Submit as L4A.c**

Submit by Monday Feb. 1st 2016 7pm.