**Introduction:**

In this lab, we created a spider (also known as crawler) application capable of indexing the local file system. The spider should crawl through the file system, creating an easily searchable index of file paths, file names & contents (of text files only). The user should then be able to search this index against keyword, getting back all the file paths where the keyword was encountered.

**Approach:**

The program uses a simple approach. User input is taken to check what the user wants to do. Once the user chooses the operation, the required action is performed using an if-else construct. If the user chooses to write a note, the username and note is taken as user input, sent to the server and saved to memory. If the user chooses to view recent records, then the username is taken as input, and the recent record is provided as an output.

**How to Run:**

Run the program. Enter the folder path and the word to be searched. The results will be displayed.