

Files Programming Assignment

1. Write a program in C to create and store a list of student names in a text file.
2. Write a program in C to read the contents of the existing file created in 1 and store the list of names into an array. Use `fscanf` to read the file.
3. Write a program in C to count a number of words and characters in a file. Use `fgetc` to read from the file.
4. Write a program in C to create a student database using files and structure concept. Use the structure ***Student*** to represent a student. The ***Student*** structure must have fields like name, roll no, age and CGPA. The program must allow the users to do the following operations.
 - a) To add a student detail.
 - b) To Update a student detail.
 - c) To seek a student using the rollno.
 - d) To count the number of students entered in file.
 - e) To delete a specific student from a file.

The program must use all random access functions like `fseek`, `ftell` and `read/write` functions like `fread/fwrite`.