REPORT

* TITLE

File Handling

* ABSTRACT

A file handling system which allows the user to define a file structure according to his own needs is described. The operations on the file include the ability append new entries, modify them as well as delete unwanted ones and list the entries in a sorted order. In order to meet this the end of file structure was used and appropriate functions were designed and implemented. Included is a all types of system calls used. The whole project was tested an its performace evaluated.

OBJECTIVES

So far we have entered information into our programs via the computer's keyboard. This is somewhat laborious if we have a lot of data to process. The solution is to combine all the input data into a file and let our Shell program read the information when it is required.

Having read this section you should be able to:

1. open a file for reading or writing
2. read/write the contents of a file
3. close the file

OUTCOMES

INTRODUCTION

Basic Programs

* [Check if file exists](https://www.tutorialspoint.com/learn_c_by_examples/program_to_check_file_exists_in_c.htm)
* [Create a file](https://www.tutorialspoint.com/learn_c_by_examples/program_to_create_file_in_c.htm)
* [Write a file](https://www.tutorialspoint.com/learn_c_by_examples/program_to_write_file_in_c.htm)
* [Read a file](https://www.tutorialspoint.com/learn_c_by_examples/program_to_read_file_in_c.htm)
* [Append to a file](https://www.tutorialspoint.com/learn_c_by_examples/program_to_append_file_in_c.htm)
* [Delete to a file](https://www.tutorialspoint.com/learn_c_by_examples/program_to_delete_file_in_c.htm)

File Searching Programs

* [Search text in a file](https://www.tutorialspoint.com/learn_c_by_examples/program_to_search_text_in_file_in_c.htm)
* [Find text occurence in a file](https://www.tutorialspoint.com/learn_c_by_examples/program_to_find_text_occurence_in_file_in_c.htm)
* [Locate text in a file](https://www.tutorialspoint.com/learn_c_by_examples/locate_text_in_file_in_c.htm)

File Editing Programs

* Replace text in a file
* Replace line in a file
* Change case in a file

File Monitoring Programs

* Number of words in a file
* Number of characters in a file
* Number of lines in a file
* Display specific lines in a file

Multi File Handling Programs

* Program to compare two files
* Program to merge two files

FORMULATION

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