

Experiment No. 10

Aim: Implement various operations on files to solve a given problem.

Common

1. A publishing company holds in a file details of all the books they publish. However, in the future, they wish to maintain two distinct files (i) paperbacks (ii) hardbacks. Write a program which reads a file containing details of both paperback and hardback books and creates two files as specified above. Assume that the first character in each input record indicates if the book is paperback(p) or hardback(h) or both(b).

2. Set up a file containing vehicle records which hold registration number and owner information (name and address). Write a program which, given a vehicle's registration number, will rapidly retrieve and print the owner information.

Batch 1: Assume that each time a book is sold in any shop, the ISBN is written to a central serial file. At the end of each week, the file is processed to produce a list of the ISBNs of all different books sold during the week. This list is ordered by the number of copies sold. Write and test a program which produces this bestseller list.

Batch 2: A file EVENTS consists of records of events that have occurred during one calendar year. Each record describes one event and starts with a date field giving the number of the day in the year during which the event occurred. The file is ordered in ascending order by this day number. A file SELECT consists of single-field records, the field being a day no. The file too is ordered in ascending sequence by this field. Write a program which reads these 2 files and produces a report which shows, for each date in SELECT, the no. of events which occurred on that date. For example

Day Events

13 12

45 6

..

..

352 4

Batch 3: C program to replace the specified line in an existing text file. Read the line number from the user, and then replace the content-specific line with new text in the existing file. Then print the modified content file.

Batch 4: Convert All Characters into Upper Case of a File using C Program file "sample.txt" which contains "This is sample.txt file document." we will read all characters and convert them into uppercase and write into the temporary file then rename temporary file to sample.txt and remove temp.txt file.