Theory

(a) Explain different file management functions used with text files.

(b) Explain different type of file in detail.

(c) What is the significance of EOF?

(d) Explain different mode of opening a file.

(e) Write syntax of functions used reading and writing in binary file. Also explain each arguments of syntax.

(f) What is random access of file? Explain different functions used for random access.

Practical

1. Write a program to read a line from file and print alternate characters in the output file. Display appropriate message for file i/o errors.

2. Write a program to copy the contents of one file to another and also print the no. of lines in the first file.

3. Write a program to search a particular word in an existing file and display the no. of occurrences and the position of first occurrence of that word. If the word is not found display the appropriate message.

4. The files DATA1 and DATA2 contain sorted list of integers. Write a program to produce a third file DATA which holds a single sorted merged list of these two lists.

5. Write a program to read line by line from a file and print all the repeated characters on the screen along with their frequency.

6. Write a function to read a file and count the no. of characters, spaces, newlines and no. of words in a given text file.

7. Write a function to accept a string from the keyboard and remove all occurrences of that string from a given file.

8. Write a program to remove all the blank lines from a given file.

9. Write a program a program to remove all the comments from a C file.

10. Write a program that will generate a data file containing the list of customers and their corresponding telephone numbers. Use a structure variable to store the name and telephone number of each customer.

11. Write an interactive menu driven program that will access the data file created in the above problem to do one of the following task:
    a. Determine the telephone number of a specific customers
    b. Determine the customer whose telephone no. is specified.
    c. Add a new record.
    d. Delete a record
    c. Generate the listing of all the customers and their telephone numbees

12. Use a structure of Employee to write records of employee to a file. Include a menu that will allow the user to select any of the following features
    a. Add a new record.
    b. Delete a record.
    c. Modify an existing record.
    d. Retrieve and display an entire record for a given   name.
    e. Generate a complete list of all names, addresses and telephone numbers.
    f. End of the computation.