File Operations

Lab Manual 7

Tasks (Solved in lab 6)

1. Create a new file of any name and in that file write your name and ID. No. twice on two different lines. Hint: make use of carriage return and next line ASCII codes. Be sure to close the file.
2. To the file resulting from Task1, append your hostel name and room number. Close the file in the end.
3. Open the file you created in Task 2 and read its contents. You can count the number of bytes to be read beforehand. After reading the file, display the data on console using dos function call with ah=09h studied in lab 4. Close the file in the end.
4. Open the file you created in Task 2. Read the entire file one byte at a time and stop after you reach the end of file. After reading the file, display the data using dos function call with ah=09h studied in lab 4. Close the file in the end.
5. Create a new file and write your name and ID. No. in it. Use keyboard to input the data. Hint: Use dos function with ah=0Ah for input from keyboard. Also try renaming the file and deleting it, changing its attributes date of creation & time.

During Lab 6, You might have solved 3 tasks mentioned above. You are required to complete Task 4 & Task 5 in this lab.
In-addition complete the task given below.

Task 6:
(1) Take the user name stored in the file user.txt. Assume that 8 characters containing the user name are present in the file. The ninth character in the file is '$'
(2) Compare the user name with the user name stored in memory in the data segment. If there is no match, the program should exit by displaying 'Access Denied!' on screen.
(3) Take the password stored in the file password.txt. Assume that 5 characters containing the password are present in the file. The sixth character in the file is '$'
(4) Compare the password with the password stored in memory in the data segment. If there is no match, the program should exit by displaying 'Access Denied!' on screen.
(5) If there is a match in both username and password it should display "Hello Username"

Note: User name is always 8 characters. Password is always 5 digits.

In this task you will learn to use two files in the same program. Note that you can open only one file at a time using dos commands. You need to close the open file before you open another file.
Each time you run the code and there is failed access to the files, the files may get corrupted. Hence, it is recommended that you delete the two files and create the two files, username.txt and password.txt, after each run of the code.