Introduction to Computer Science Lab II

CIEE102, Spring 2021

Lab 7

Using Sequential Files in the following assignments.

1. Create a bank account file. The file should contain customers' records   with the following format:
    - int account-number;
    - char name[30];
    - double balance;

    Please store 10 records in the file as the initial contents including the following:

Account	Name	Balance
100	Alan Jones	348.17
300	Mary Smith	27.19
500	Sam Sharp	0.00
700	Suzy Green	-14.22

2. Read all the records in the above file and print them out.
3. Use the file you created in 1 as the old master file. Assume after one business day, the following transaction file is created. Use the transaction file to create a new master file.

Account	Name	Transaction Amount
100	Alan Jones	27.14
300	Mary Smith	62.11
300	Mary Smith	83.89
400	John Wayne	1000.00
700	Suzy Green	80.78
700	Suzy Green	1.53

Use Random Files in the following assignments.

4. Create a bank account file. The file should contain customers' records   with the following format:

    int account-number;
    char name[30];
    double balance;

    Please key in 10 records and store them in the file as the initial contents.

5. Read all the records in the above file and print them out.
6. Update the balance value of one of the record in the above file.
7. You are the owner of a hardware store and need to keep an inventory that can tell you what tools you have, how many you have and the cost of each one. Write C programs which do the works in those practice questions. Repeat 1 through 3 with the following record format:

    Record Format:

Tool-ID	Tool Name	Quantity	Cost
3	Electric Sander	7	57.98
17	Hammer	76	11.99
24	Jig Saw	21	11.00
39	Lawn Mower	3	79.5
56	Power Saw	18	99.99
68	Screwdriver	106	6.99
77	Sledge hammer	11	21.5
83	Wrench	34	7.5