and cash payments arrive in the mail), they are iod (i.e., a month for some companies, a week for tions (called "trans.dat" in Exercise 11.3) is "in Exercise 11.3), thus updating each accounts see updating runs, the master file is rewritten as a at the end of the next business period to begin the

ain problems that do not exist in single-file procur. A customer on the master file may not have it business period, and therefore no record for this arly, a customer who did make some purchases or inity, and the company may not have had a chance

as a basis for writing a complete file-matching per on each file as the record key for matching per records stored in increasing account number order me account number appear on both the master file the transaction file to the current balance on the d. (Assume that purchases are indicated by posinents are indicated by negative amounts.) When mut no corresponding transaction record, merely when there is a transaction record but no correspondent transaction record for from the transaction record).

, write a simple program to create some test data the following sample account data:

The second of the second	Balance		
	348.17	Ţ.	
	27.19		
	0.00)	
	-14.22		
State 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		. 9	
Section 1985			

iles of test data created in Exercise 11.8. Use the

11.10 It is possible (actually common) to have several transaction records with the same record key. This occurs because a particular customer might make several purchases and cash payments during a business period. Rewrite your accounts receivable file-matching program of Exercise 11.7 to provide for the possibility of handling several transaction records with the same record key. Modify the test data of Exercise 11.8 to include the following additional transaction records:

Accounting	umber Dollar amount		AND ASSAULT LOSS
-			- MCC18 11 - 12 - 12 - 12 - 12 - 12 - 12 -
300	83.89		
700	80.78		
700	1.53	•	

11.11 Write statements that accomplish each of the following. Assume that the structure

```
struct person {
  char lastName[ 15 ];
  char firstName[ 15 ];
  char age[ 4 ];
};
```

has been defined and that the file is already open for writing.

- a) Initialize the file "nameage.dat" so that there are 100 records with lastName = "unassigned", firstname = "" and age = "0".
- b) Input 10 last names, first names and ages, and write them to the file.
- c) Update a record; if there is no information in the record, tell the user "No info".
- d) Delete a record that has information by reinitializing that particular record.

11.12 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 a program that initializes the file "hardware.dat" to 100 empty records, lets you input the data concerning each tool, enables you to list all your tools, lets you delete a record for a tool that you no longer have and lets you update any information in the file. The tool identification number should be the record number. Use the following information to start your file:

Record #	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	79.50
56	Power saw	18	99.99
68	Screwdriver	106	6.99
77	Sledge hammer	11	21.50