C.I.S. 1.50

Brooklyn College

Professor Langsam

Assignment Six

A very mixed up dating service needs your help desperately. They have **two** files of couples they have matched up and married, one of the husband's names and one of the women's names, but they don't know which of the women match which of the husbands. They need a list of all pairs – husbands and wife, and which women have not yet found a match yet.

Write a complete C++ program, with comments, to do the following:

1. Determine the number of husbands (there will be no more than 25). For each husband, store in an array of records his last name, first name and address.

2. After you have read all the information for the husbands, call a procedure SORT to sort the information by last name.

3. Next determine the number of women. For each woman do the following:

    a. Read in the woman's last name, first name and address.

    b. Call a function *match* which will try to match the woman to one of the husbands from the list. To do this, the function needs the record of husbands, how many there are, and the information on this woman. A woman matches one of the husbands if the last name **and** address are the same. Search through the list to find a match. If there is a match, return the number of the position in the array, and return to the main program. If no match is found after searching the entire list, return the value zero.

    c. In the main program if the value 0 is returned, print on a new line, the woman's information and a message that she has not yet found a match. Otherwise, (a match has been found), print on a new line, the woman's last name, her first name, and her husband's first name.

    d. Repeat step three for each woman.

Data:

Men

Bruce	Wayne	The Batcave
Sonny	Bono	10 Mayor Street
Clint	Eastwood	2020 Make My Day Drive
Jimmy	Carter	1010 Peanut Street
Mike	Tyson	2525 Robin Court
Mickey	Mouse	6000 Mickey Lane
Abe	Lincoln	900 Booth Street
Scrooge	McDuck	7011 McDuck Drive
Ed	Koch	125 E. 125th Street
Barney	Rubble	1001 Old Stone Age Road

Women

Linda	Eastwood	2020 Make My Day Drive
Cher	Bono	10 Mayor Street
Ava	Gabor	9238 Parkside
Wendy	Banks	17 Cherry Tree Lane
Lady	Darling	200 Tramp Court
Daisy	Duck	95 Donald Street
DeeDee	McCall	21 Hunter Avenue
Roseanne	Barr	1000 Fat Lane
Lily	Munster	1313 Mockingbird Lane
Minnie	Mouse	6000 Mickey Lane
Lois	Lane	2192 Superman Blvd
Betty	Ford	100 Happy Hour Drive
Mary	Lincoln	900 Booth Street
Betty	Rubble	1001 Old Stone Age Road
Robin	Givens	800 Hollywood Blve