EC: passBy

Due Apr 26 by 11:59pm   **Points** 25   **Submitting** a file upload

File Types cpp and txt   **Available** Apr 22 at 9:30pm - May 3 at 11:59pm 11 days

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1. Write a program favorites.cpp with the following specifications:

1a. create an integer n variable and initialize it to 12

1b. create an integer nRecords to count the number of records in the file

1c. create a string array whoAreYou with n elements

1d. create a programmer defined data type Favorites with fields for movie, song, food, sport, tvShow, book, place.

1e. create a file favoritesData.txt with the following data items, one per line in the file, separated by a blank line before the next person's data items, and do this for at least 3 people:

Zootopia
Frozen
Popcorn
Dodgeball
Sesame Street
Green Eggs and Ham
Disneyland

The Dark Knight
Heroes
Steak
Martial Arts
Batman and Robin
Marvel Comic Book
The Bat Cave

...

1f. create a table where each record in the table is an element of array a.

1g. Open the file favoritesData and read in each value for each field for ONE record (blank line

separator), output the record (using function outputRecord) and then ask the user "Who is this?" and input their answer into the array whoAreYou, and continue until you reach the end of the file.

1h. create a function outputRecord with inputs for record and person number and the array whoAreYou that outputs each field in the record with an appropriate label. Call this function in a loop from main and pass the record by reference and pass the person number by value and pass the string array element by reference to this function. For example:

Person #1: you think this is: a girl less than 12 years old
favorite movie: Zootopia
favorite song: Frozen
favorite food: Popcorn
favorite sport: Dodgeball
favorite TV show: Sesame Street
favorite book: Green Eggs and Ham
favorite place: Disneyland

Person #2: you think this is: Batman
...

1i. create a function outputRawData with inputs for table and number of records and array whoAreYou that outputs all the elements in array each field in each record. Call this function once from main program.
whoAreYou[0] = a girl less than 12 years old
whoAreYou[1] = Batman
....
fields = movie, song, food, sport, TV show, book, place
a[0]= Zootopia, Frozen, Popcorn, Dodgeball, Sesame Street, Green Eggs and Ham, Disneyland
a[1]= The Dark Knight, Heroes, Steak, Martial Arts, Batman and Robin, Marvel Comic Book, The Bat Cave
...

2. Please submit the following files:

favorites.cpp