# **Phonebook project**

Write a program to simulate the actions of a phonebook. (s)

Your program should be able to :

* Add new entries
* Search for an existing entry
* Search by first name \*
* Search by last name \*
* Search by full name \*note name is not unique therefore the result should be an array of Person Objects.
* Search by telephone number
* Search by city or state
* Delete a record for a given telephone number
* Update a record for a given telephone number
* Show all records in asc order \*note you will need to research sorting on an array.
* An option to exit the program

Your program should operate on the console. It should display all the choices when the program loads. Eg 1. Add new record 2. Delete a record Etc.. where 1 representing the action for adding a record and 2 representing the action for deleting a record.

Your program should run until the user selects the exit option.

Your program should have a minimum of 2 classes a Person class, an Address  class.

Test case :

John Doe, 114 Market St, St Louis, MO, 63403, 6366435698

John E Doe, 324 Main St, St Charles, MO,63303, 8475390126

John Michael West Doe, 574 Pole ave, St. Peters, MO, 63333, 5628592375

Note: Test cases should work when copy and paste into the console as one entry (as is).  
          ****ONLY ARRAYS ARE ALLOWED, NO ARRAYLIST.****

Searching for John should return a list of all 3 records above, displaying the telephone number in this order (636)-453-8563.

***Optional add additional features to your program, for storing cell, home, work and fax numbers.***

***Also features for storing events like birthday, anniversary, email… etc***