

# Address Book

## Introduction

Your parents were impressed with your programs. They have asked you to write a program to help them organize their address book. They have all names and addresses stored in a text file in the following format:

Name  
Street Address  
City, State Zip  
Country  
Phone Number

Your parents would like to perform the following operations on their address book:

1. Add a new address entry
2. Delete an existing address entry
3. Print the entire address book to a file
4. Print the entire address book on the screen

Your parents promised to increase your allowance if your program can perform the following operations on the address book:

5. Modify an existing address entry
6. Retrieve all address entries using name, zip code, or country.

## Problem Statement

Write a program that utilizes a linked list to organize an address book.

## Input

Create your own text file containing data as described in the Problem Statement. Here is the first address in a sample input file.

Iyad A. Ajwa  
860 Stone Creek Blvd  
Ashland, OH 44805  
U.S.A.  
(419) 289-5798

## Output

The output of the program depends on the user's choice as explained above.

## Processing Notes

The first thing that your program needs to do is to create a linked list out of the records in the input file. Your program should then do the following:

- Display a welcoming message explaining the specifics of using the program.
- Display a menu allowing the user to select one of the six (6) operations listed above. Of course, you should add a seventh option to allow the user to quit your program.
- According to user's selection, your program calls the correspondent function to perform the operation.
- Your program exits only when the user chooses to do so.

### **Deliverables**

- The source code of your program renamed using the following naming convention:  
**LastName-FristName-AssignmentNumber.cpp**
- The input file you used to test your program.

### **Submission Instructions**

- A listing of the source code of your program named as described above.
- Submit your deliverables as indicated above in the drop box dedicated for this assignment.