

```
#include <iostream>
```

```
#include <fstream>
```

```
using namespace std;
```

```
class Persons {
```

```
    public:
```

```
        void setFirstName(string fname) { firstName = fname; }
```

```
        void setLastName(string lname) { lastName = lname; }
```

```
        void setWholeName(string fname, string lname ) { wholeName
```

```
        void setPhoneNumber(string phone) { phoneNumber = phone; }
```

```
        string getFirstName() { return firstName; }
```

```
        string getLastName() { return lastName; }
```

```
        string getPhoneNumber() { return phoneNumber; }
```

```
        string getPerson() { return firstName + " | " + lastName -
```

```
    private:
```

```
        string firstName;
```

```
        string lastName;
```

```
        string wholeName;
```

```
        string phoneNumber;
```

```
};
```

```
void readFile();
```

```
void inputPerson();
```

```
void menu();
```

```
void menuText();
```

```
int main () {
```

```
    menu();
```

```
    return 0;
```

```
}
```

```
void readFile() {
```

```

string line;
ifstream myfile ("address.txt");
if (myfile.is_open())
{
    while ( myfile.good() )
    {
        getline (myfile,line);
        cout << line << endl;
    }
    myfile.close();
}

else cout << "Unable to open file";
}

void inputPerson() {
    Persons person;
    string fname, lname, pnum;

    ofstream myfile ("address.txt", ios::app);
    if (myfile.is_open())
    {

        cout << "First Name: ";
        cin >> fname;
        person.setFirstName(fname);

        cout << "Last Name: ";
        cin >> lname;
        person.setLastName(lname);

        person.setWholeName(fname, lname);

        cout << "Phone Number: ";
        cin >> pnum;
        person.setPhoneNumber(pnum);

        myfile << person.getPerson() + "\n";
    }
}

```

```

        myfile.close();
    }

    else cout << "Unable to open file";
}

void menu() {

    int choice = 0 ;

    menuText();

    do {
        cin >> choice;
        if (choice == 1 ) {
            cout << "-----\n";
            cout << " Enter Person\n";
            cout << "-----\n";
            inputPerson();
            menuText();

        } else if (choice == 2) {
            cout << "-----\n";
            cout << "People You Know\n";
            cout << "-----\n";
            readFile();
            menuText();

        }
    } while(choice != 3);

    cout << "\nGoodbye!";
}

void menuText(){
    cout << "-----\n";
    cout << " ADDRESS BOOK\n";
    cout << "-----\n";

```

```
cout << " 1\tEnter Person\n";
cout << " 2\tSee Address Book\n";
cout << " 3\tQuit\n";
cout << "-----";
cout << " : ";
}
```

```
/*
```

```
-----
ADDRESS BOOK
-----
```

```
1  Enter Person
2  See Address Book
3  Quit
-----
```

```
: 1
-----
```

```
Enter Person
-----
```

```
First Name: Ricky
Last Name: Eckhardt
Phone Number: 555-555-5555
-----
```

```
ADDRESS BOOK
-----
```

```
1  Enter Person
2  See Address Book
3  Quit
-----
```

```
: 2
-----
```

```
People You Know
-----
```

```
Ricky | Eckhardt | 808-469-5991 | Ricky Eckhardt
Ricky | Eckhardt | 458-999-0000 | Ricky Eckhardt
Ricky | Eckhardy | 555-555-5555 | Ricky Eckhardy
```

Ricky | Eckhardt | 999-999-9999 | Ricky Eckhardt  
bob | shoe | 888-888-8888 | bob shoe  
Heather | Brigham | 880-599-0000 | Heather Brigham  
Ricky | Eckhardt | 555-555-5555 | Ricky Eckhardt

---

## ADDRESS BOOK

---

- 1 Enter Person
  - 2 See Address Book
  - 3 Quit
- 

: 3

Goodbye!

\*/