```
# ainclude <costream>
# ainclude <costrings
# using namespace std;

const int DIRECTORY_SIZE = 5;

char "phoneNumbers[DIRECTORY_SIZE] = {0};

const char "names[DIRECTORY_SIZE] = {"Alice", "Bob", "Charlie", "David", "Eve"};

void initializeDirectory(const char" names[], char" onst phoneNumbers[], int directorySize);

void updatePhoneNumbers(const char" names[], char" phoneNumbers[], int directorySize);

void deanthp(char" phoneNumbers[], int directorySize, const char" name, co
```

```
if (!option){
        char name_search[80];
        char newNumber[14];
        cout << "Whose phone number do you want to update? : ";</pre>
        cin.getline(name_search, 80, '\n');
        int find_counter = 0;
for (const char **name_ptr = names; *name_ptr; name_ptr++){
             if (!strcmp(*name_ptr, name_search)){
                find_counter++;
        }
if (!find_counter){
"""
             cout << "No " << name_search << " in the directory." << endl;</pre>
             cout << "What's the new number?: ";</pre>
             cin.getline(newNumber, 14, '\n');
        update Phone Number (names, phone Numbers, directory Size, name\_search, new Number);\\
        printDirectory(names, phoneNumbers, directorySize);
    else if (option){
        printDirectory(names, phoneNumbers, directorySize);
    cleanUp(phoneNumbers, directorySize);
}
```

```
Update phone number(enter 0)
Look up the directory(enter 1): 1
Alice: 000-000-0000
Bob: 000-000-0000
Charlie: 000-000-0000
David: 000-000-0000
Eve: 000-000-0000
```

```
Update phone number(enter 0)

Look up the directory(enter 1): 0

Whose phone number do you want to update? : Jimmy

No Jimmy in the directory.
```

```
Update phone number(enter 0)
Look up the directory(enter 1): 0
Whose phone number do you want to update?: Bob
What's the new number?: 111-222-3333

Alice: 000-000-0000
Bob: 111-222-3333
Charlie: 000-000-0000
David: 000-000-0000
Eve: 000-000-0000
```