

# Chapter 7 Farrell Program 21

## Program 21 Code & Execution

```
gram 21.cpp x
1  #include <fstream>
2  #include <iostream>
3  #include <string>
4  using namespace std;
5  int main(){
6      ifstream data_in;
7      ofstream data_out;
8      string title, firstName, lastName;
9      string streetAddress[2];
10     string city, state, zipCode;
11     int numBoxes;
12     int counter;
13
14     data_in.open("VernonHillsMailOrderBoxes.dat");
15     data_out.open("CustomerMailingLabels.dat");
16
17     while(!(data_in.eof())){
18         data_in >> title;
19         data_in >> firstName;
20         data_in >> lastName;
21         data_in >> streetAddress[0];
22         data_in >> streetAddress[1];
23         data_in >> city;
24         data_in >> state;
25         data_in >> zipCode;
26         data_in >> numBoxes;
27         counter = 0;
28         while(counter < numBoxes){
29             ++counter;
30             data_out << title << " " << firstName << " " << lastName << endl;
31             data_out << streetAddress[0] << " " << streetAddress[1] << endl;
32             data_out << city << " " << state << " " << zipCode << endl;
33             data_out << "Box " << counter << " of " << numBoxes << endl << endl;
34         }
35     }
36
37     data_in.close();
38     data_out.close();
39
40     cout << "Code by Jacob Smetana" << endl;
41     return 0;
42 }
43
```

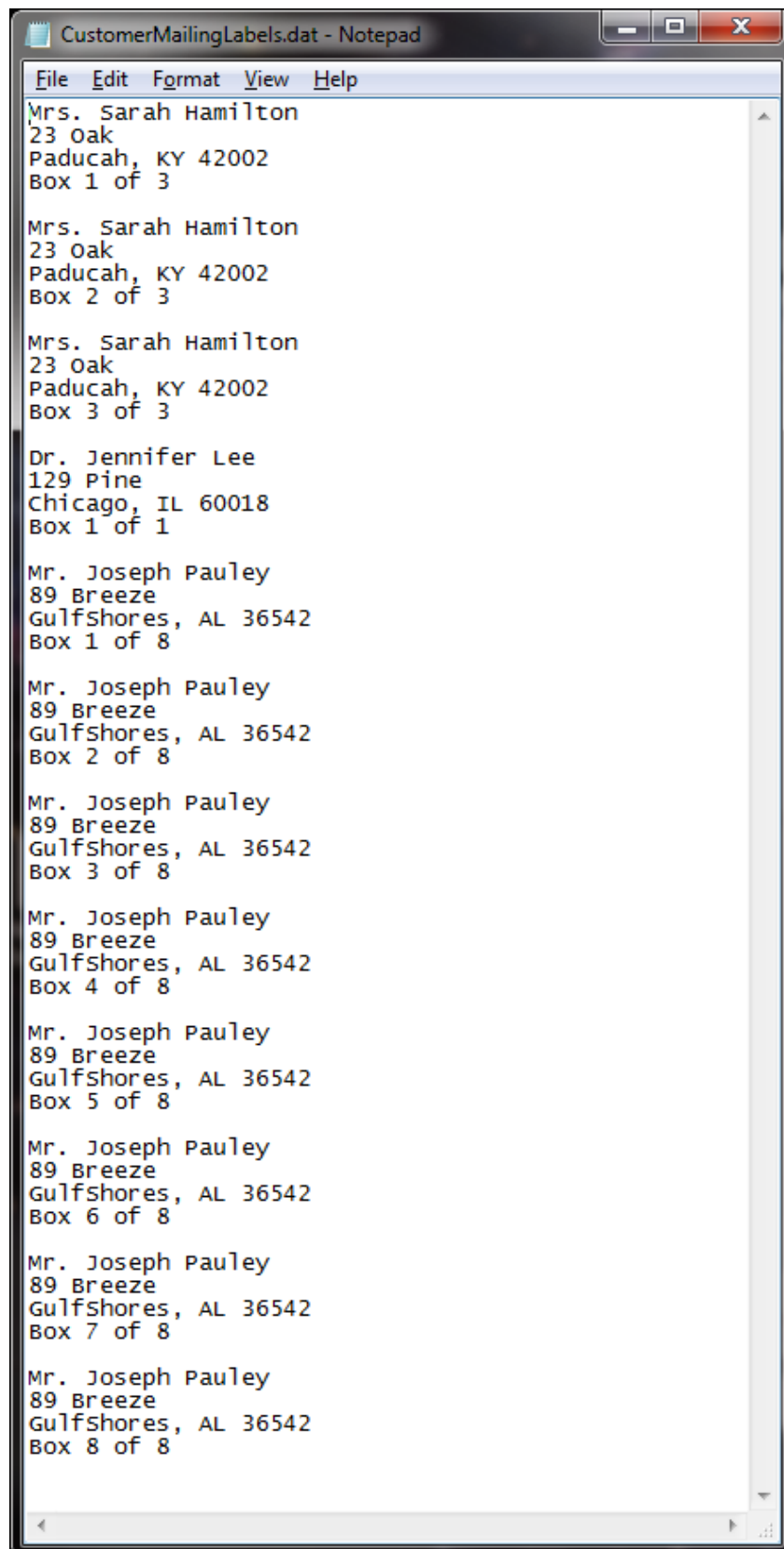
"C:\Users\Nii-san\Desktop\prog fund 1\Chapter 7\Farrell Exercises\Program 21.exe"

Code by Jacob Smetana

Process returned 0 (0x0)    execution time : 0.008 s

Press any key to continue.

## Program 21 Output



```
CustomerMailingLabels.dat - Notepad
File Edit Format View Help
Mrs. Sarah Hamilton
23 Oak
Paducah, KY 42002
Box 1 of 3

Mrs. Sarah Hamilton
23 Oak
Paducah, KY 42002
Box 2 of 3

Mrs. Sarah Hamilton
23 Oak
Paducah, KY 42002
Box 3 of 3

Dr. Jennifer Lee
129 Pine
Chicago, IL 60018
Box 1 of 1

Mr. Joseph Pauley
89 Breeze
Gulfshores, AL 36542
Box 1 of 8

Mr. Joseph Pauley
89 Breeze
Gulfshores, AL 36542
Box 2 of 8

Mr. Joseph Pauley
89 Breeze
Gulfshores, AL 36542
Box 3 of 8

Mr. Joseph Pauley
89 Breeze
Gulfshores, AL 36542
Box 4 of 8

Mr. Joseph Pauley
89 Breeze
Gulfshores, AL 36542
Box 5 of 8

Mr. Joseph Pauley
89 Breeze
Gulfshores, AL 36542
Box 6 of 8

Mr. Joseph Pauley
89 Breeze
Gulfshores, AL 36542
Box 7 of 8

Mr. Joseph Pauley
89 Breeze
Gulfshores, AL 36542
Box 8 of 8
```