Philip Pesic

Week 16

December 5 2022

Week 16 Prog 6

Create a separate file with 10 records: Last Name, First Name, City, State, zip.

read the file records into an array

Sort the array by last name

Write out the sorted array to a new file.

```cpp
//
//  main.cpp

//  Week 16 Prog 6

//

//  Created by Pippo Pesic on 11/28/22.

//

#include <iostream>

#include <string>

#include <fstream>

using namespace std;


int main() {

        ifstream fin;
```

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Week 16 Prog 6

```cpp
fin.open("/Users/pippo/Desktop/Week 16 Prog 6/records.txt");


string line;

string records[10];

int count = 0;


while (!fin.eof()) {

getline(fin, line);

fin >> line;

records[count] = line;

count++;

};


int r = sizeof(records)/sizeof(records[0]);

sort(records, records+r);


for (int i = 0; i < r; i++) {

cout << records[i] << endl;

};

fin.close();
```

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```cpp
    ofstream fout;

    fout.open("/Users/pippo/Desktop/Week 16 Prog 6/sorted records.txt");


    for (int i = 0; i < 10; i++) {

    fout << records[i] << endl;

    }

    cout << "Philip Pesic 12/5/22" << endl;

    return 0;

}
```
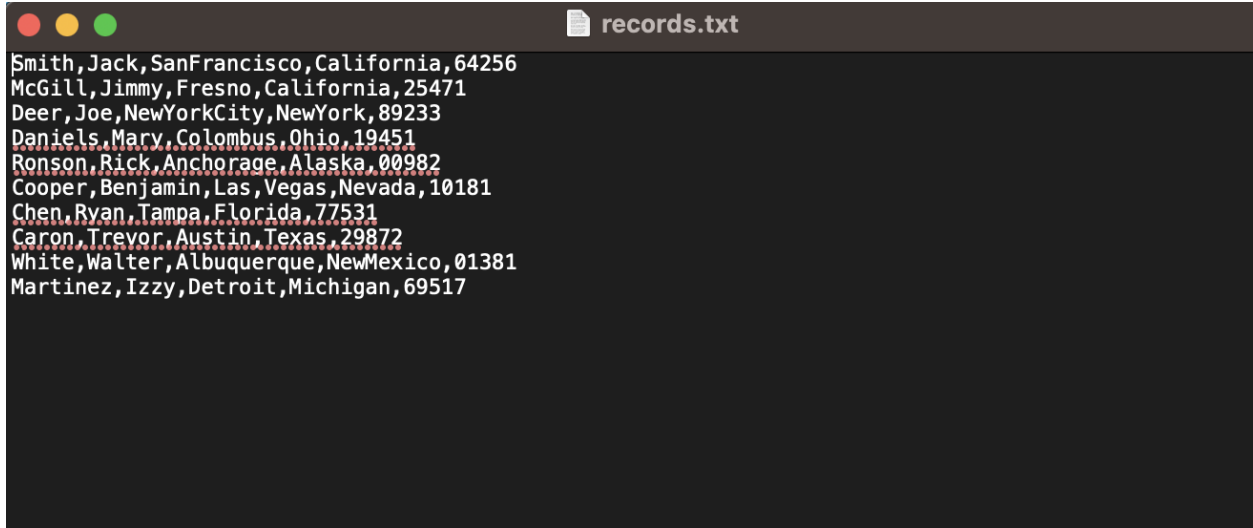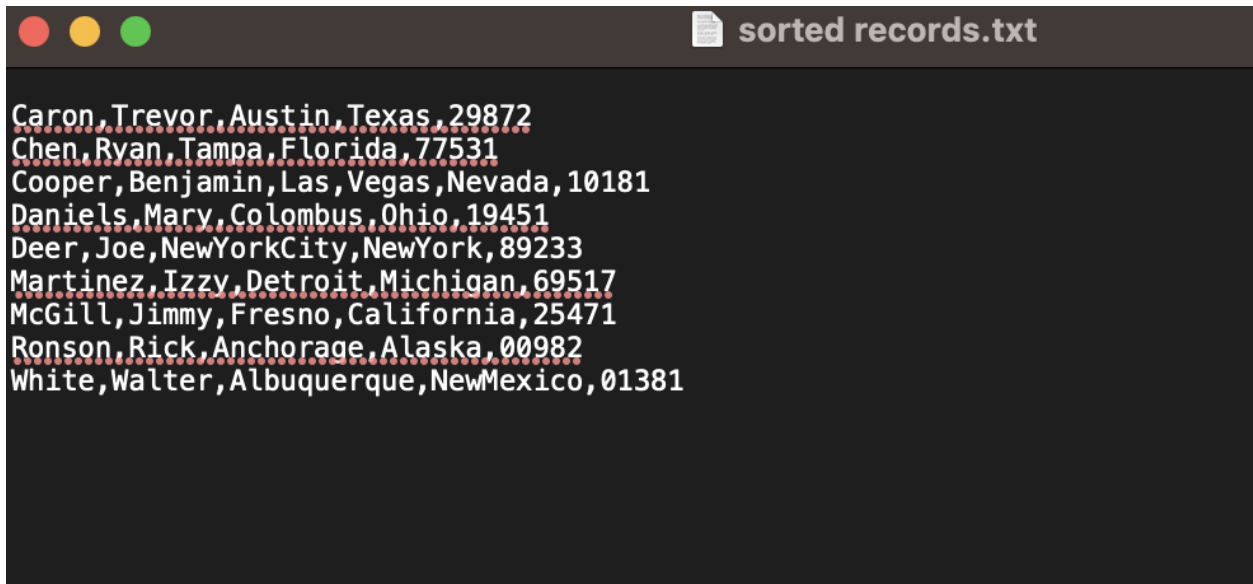
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```
📄 records.txt

Smith,Jack,SanFrancisco,California,64256
McGill,Jimmy,Fresno,California,25471
Deer,Joe,NewYorkCity,NewYork,89233
Daniels,Mary,Colombus,Ohio,19451
Ronson,Rick,Anchorage,Alaska,00982
Cooper,Benjamin,Las,Vegas,Nevada,10181
Chen,Ryan,Tampa,Florida,77531
Caron,Trevor,Austin,Texas,29872
White,Walter,Albuquerque,NewMexico,01381
Martinez,Izzy,Detroit,Michigan,69517
```

```
📄 sorted records.txt

Caron,Trevor,Austin,Texas,29872
Chen,Ryan,Tampa,Florida,77531
Cooper,Benjamin,Las,Vegas,Nevada,10181
Daniels,Mary,Colombus,Ohio,19451
Deer,Joe,NewYorkCity,NewYork,89233
Martinez,Izzy,Detroit,Michigan,69517
McGill,Jimmy,Fresno,California,25471
Ronson,Rick,Anchorage,Alaska,00982
White,Walter,Albuquerque,NewMexico,01381
```

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I learned: how to interact with multiple files in one program