

sortRead.h

```
#include <iostream>
#include <string>

using namespace std;

class SortRead
{
private:
public:
    void selectionSort(string names[], int size);
};
```

sortRead.cpp

```
#include <iostream>
#include <string>
#include "sortRead.h"

using namespace std;

void SortRead::selectionSort(string names[], int size)
{
    string temp = "";
    for (int i = 0; i < 20; i++)
        for (int j = 0; j < 19 - i; j++)
        {
            names[j] > names[j + 1]
                ? temp = names[j + 1],
                  names[j + 1] = names[j], names[j] = temp :
names[j + 1] = names[j + 1];
        }
}
```

Main.cpp

```
#include "sortRead.h"
#include <iostream>
#include <string>
#include <fstream>

using namespace std;

int main()
{
    const int NUM_NAMES = 20;
    string names[NUM_NAMES] = {"Collins, Bill", "Smith, Bart",
"Allen, Jim", "Griffen, Jim",
                                "Stamey, Marty", "Rose, Geri",
"Taylor, Terri", "Johnson, Jill",
                                "Allison, Jeff", "Looney, Joe",
"Wolfe, Bill", "James, Jean",
                                "Weaver, Jim", "Pore, Bob",
"Rutherford, Greg", "Javens, Renee",
                                "Harrison, Rose", "Setzer,
Cathy", "Pike, Gordon", "Holland, Beth"};

    SortRead sr;

    sr.selectionSort(names, NUM_NAMES);

    for (string name : names)
    {
        cout << name << ", ";
    }

    cout << "\n\n";
```

```

ifstream myFile;
myFile.open("names.txt");
string tempName;
string nameArray[20];

for (int i = 0; i < 20; i++)
{
    myFile >> tempName;
    nameArray[i] = tempName;
}

myFile.close();

sr.selectionSort(nameArray, 20);

for (string name : nameArray)
{
    cout << name << ", ";
}

return 0;
}

```

Output:

```

Allen, Jim, Allison, Jeff, Collins, Bill, Griffen, Jim, Harrison, Rose, Holland, Beth, James, Jean, Javens, Renee, Johnson, Jill, L
Setzer, Cathy, Smith, Bart, Stamey, Marty, Taylor, Terri, Weaver, Jim, Wolfe, Bill,
Beth, Beth, Bill, Bill, Bob, Cathy, Geri, Gordon, Greg, Jean, Jeff, Jill, Jim, Jim, Jim, Joe, Marty, Renee, Rose, Terri,

```

Names.txt

1	Bill
2	Jim
3	Jim
4	Marty
5	Geri
6	Terri
7	Jill
8	Jeff
9	Joe
10	Bill
11	Jean
12	Jim
13	Bob
14	Greg
15	Renee
16	Rose
17	Cathy
18	Gordon
19	Beth