

Answer on Question#39738 - Programming - C++

```
#include <iostream>
#include <string>
#include <string.h>
#include <fstream>
using namespace std;

#define MAX_LENGTH 50

string ToLowerCase(string str) //helping function to make names in lower case
{
    string tempString = str;
    for(int i = 0; i < tempString.length(); ++i)
        tempString[i] = tolower(tempString[i]);
    return tempString;
}

int main()
{
    string firstName, lastName;    //objects to store first and last
    alphabetically names
    int count=0; //variable for counting names
    char buffer[MAX_LENGTH];    //array for reading names from file
    string tempName; //string object for storing read name
    ifstream input("names_input.txt");    //file stream for input
    if(input.bad())    //checking for opening
        return 1;
    while(!input.eof()) //while we don't reach end of file
    {
        input.getline(buffer, MAX_LENGTH); //read line from file
        tempName = buffer;    //store name in object
        if(tempName.length() > 0)    //checking for empty line
        {
            if(count == 0)    //first name we have to write to objects
            {
                firstName = lastName = tempName;
            }
            else
            {
                if(ToLowerCase(tempName) < ToLowerCase(firstName))
                //compare and write if name is good
                firstName = tempName;
            }
        }
    }
}
```

```

        if(ToLowerCase(tempName) > ToLowerCase(lastName))
            lastName = tempName;
    }
    ++count;    //increase count of names
}
}
//output
cout << count << " names in file.\n The first alphabetically on the list is
name \"\" << firstName << "\". The last alphabetically on the list is name \"\" <<
lastName << "\"\n";
return 0;
}

```