```cpp
1    // Open a file
2    // Read contents of file into an array
3    // Obtain user input
4    // Convert user input to uppercase
5    // Search array using user input as criteria
6
7    #include <iostream>
8    #include <fstream>
9    #include<string>
10
11   using namespace std;
12
13   void populateArray(string a[], int size);
14   void getInputName(string& name);
15   void convertToUppercase(string& s);
16   void searchFor(const string criteria, const string a[], const int SIZE_OF_ARRAY);
17
18   int main()
19   {
20       const int NUMBER_OF_GIRLS = 4275;
21       string girlsName[NUMBER_OF_GIRLS];
22       populateArray(girlsName, NUMBER_OF_GIRLS);
23
24       string nameInputted;
25       getInputName(nameInputted);
26       convertToUppercase(nameInputted);
27       searchFor(nameInputted, girlsName, NUMBER_OF_GIRLS);
28
29       cin >> nameInputted;
30       return 0;
31   }
32
33   void populateArray(string a[], int size)
34   {
35       ifstream myFile;
36       myFile.open("gn.txt");
37       for (int i = 0; i < size; i++)
38       {
39           myFile >> a[i];
40           cout << a[i];
41       }
42   }
43
44   void getInputName(string& name)
45   {
46       cout << "Enter a girls name: ";
47       cin >> name;
48   }
49
50   void convertToUppercase(string& s)
51   {
52       string temp = "";
53       for (unsigned int i = 0; i < s.size(); i++)
54           temp += toupper(s[i]);
55       s = temp;
56   }
57
58   void searchFor(const string criteria, const string a[], const int SIZE_OF_ARRAY)
59   {
60       bool notFound = true;
61       for (int i=0 ; i < SIZE_OF_ARRAY && notFound ; i++)
62           if (criteria == a[i])
63           {
64               cout << "found " << criteria;
65               notFound = false;
66           }
67   }
```