

```

1  #include <iostream>
2  #include<cstring>
3
4  using namespace std;
5
6  int main()
7  {
8      const int rows = 5 ; // No of names
9      const int cols = 26 ; // 25 character of each name + null character
10     char names [rows][cols] ;
11     // get names from user
12     for (int i=0 ; i<rows ; i++)
13     {
14         cout << "Enter name of student no. " <<i+1<<" : " << endl ;
15         gets (names[i]) ;
16     }
17     // get sure all characters small letters
18     for (int i=0 ; i<rows ; i++ )
19     {
20         for (int j=0 ; j<cols ; j++ )
21         {
22             if (names[i][j] >= 'A' && names[i][j] <= 'Z' )
23             {
24                 names[i][j] = names[i][j] + ('a' - 'A') ;
25             }
26         }
27     }
28
29     // Sorting
30     char temp [cols] ;
31     for (int i = 0 ; i<rows-1 ; i++) // same as sorting numbers but numbers by n-1
32     {
33         for (int j =0 ; j< rows-1 ; j++)
34         {
35             if (strcmp(names[j] , names [j+1]) == 1 )
36             {
37                 strcpy (temp , names [j]) ;
38                 strcpy ( names [j] , names [j+1]) ;
39                 strcpy ( names [j+1] , temp ) ;
40             }
41         }
42     }
43
44     cout <<endl ;
45     cout <<"Sorted names : " << endl ;
46
47     //Printing sorted Names
48     for (int i = 0 ; i<rows ; i++ )
49     {
50         cout << names[i] << endl ;
51     }
52
53
54
55     return 0;
56 }
57

```