#include<string>

#include<iostream>

#include<vector>

#include<fstream>

using namespace std;

vector<string> library(200);

void reorder(int i);

int main(){

int i(0), max;

ifstream data;

vector<string> word(200);

data.open("test.txt");

if(data.fail()){

cerr << "ERROR" << endl;

exit(1);

}

while(!data.eof()){

data >> word[i];

cout << word[i] << endl;

library[i] = word[i];

i++;

}

max=i;

cout << endl;

reorder(i);

for(i=0;i<max;i++){

cout << library[i] << endl;

}

return 0;

}

void reorder(int i){

// Declare objects.

int m;

vector<string> hold(200);

// Implement selection sort algorithm.

for (int k=0; k<=i-2; ++k)

{

// Find position of smallest value in array

// beginning at k

m = k;

for (int j=k+1; j<=i-1; ++j)

{

if (library[j] < library[m])

m = j;

}

// Exchange smallest value with value at k

hold[0] = library[m];

library[m] = library[k];

library[k] = hold[0];

}

}