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#include <iostream>
#include <fstream>
#include <vector>
#include <algorithm>

using namespace std;

int main()
{
    vector<int> A(50);
    cout << endl << "**** Original random data ****" << endl;
    srand(time(0));
    for(int i=0; i<A.size(); i++){
        A[i] = rand()%23;
        cout << A[i] << " ";
        if((i%10)==9) cout << endl;
    }
    ofstream out_fp("random.txt", ios::out);
    if (!out_fp.is_open()) exit(-1);
    for(int i=0; i<A.size(); i++){
        out_fp << A[i];
    }
    ifstream in_fp("random.txt", ios::in);
    for(int i=0; !in_fp.eof(); i++){
        in_fp >> A[i];
    }

    cout << endl << "**** Print out sorted data ****" << endl;
    sort(A.begin(), A.end());
    for(int i=0; i<A.size(); i++){
        cout << A[i] << " ";
        if((i%10)==9) cout << endl;
    }
}

```