

```
1  #include <iostream>
2  #include <fstream>
3  #include <string>
4  #include <iomanip>
5  #include <vector>
6  #include <algorithm>
7  using namespace std;
8
9  int main() {
10     ifstream inf;
11     ofstream outf;
12     inf.open("datafile.txt");
13     outf.open("outputfile.txt");
14     vector<int> intveclist;
15     vector<int>::iterator intveclistiterator;
16     float num=0;
17     outf << "Read In Data File:" << endl;
18     while (!inf.eof()){
19         inf >> num >> ws;
20         intveclist.push_back(num);
21     }
22     for (intveclistiterator = intveclist.begin(); intveclistiterator !=
intveclist.end(); intveclistiterator++) {
23         outf << *intveclistiterator << " ";
24     }
25     outf << endl;
26     outf << "Impliment Sort Algorithm:" << endl;
27     sort(intveclist.begin(),intveclist.end());
28     for (intveclistiterator = intveclist.begin(); intveclistiterator !=
intveclist.end(); intveclistiterator++) {
29         outf << *intveclistiterator << " ";
30     }
31 }
32
```