

```
1 /*-----
2 Copyright (c) 2014 Author: Jagadeesh Vasudevamurthy
3 Filename: ../str/str.cpp airportsol.cpp
4 compile: g++ ../str/str.cpp airportsol.cpp
5
6 Memory leaked: 0 bytes (0%); potentially leaked: 0 bytes (0%)
7
8 The data is in
9 objects/airport/data/flights.dat
10 Make sure U run dos2unix on flights.dat on linux.
11 -----*/
12 #include "../str/str.h"
13 #include "../dsort/dsort.h"
14
15 /*-----
16 static definition - only once at the start
17 Change to false, if you don't need verbose
18 -----*/
19 bool str::_display = false ;
20
21 template <typename T>
22 bool dsort<T>::_display = false ;
23
24 /*-----
25 local to this file. Change verbose = true for debugging
26 -----*/
27 static bool verbose = false;
28
29 /*-----
30 WRITE CODE
31 -----*/
32
33
34 /*-----
35 You must read data from: objects/airport/data/flights.dat
36 You must create 4 output files at objects/airport/outputs/{bubble.dat, ..}
37 When you diff all the 4 output files must be identical
38 Print also the complexity.
39 -----*/
40 int main() {
41     const char* alg_names[] = {"bubble","insertion","quick","merge"} ;
42     int num = sizeof(alg_names)/sizeof(char *) ;
43     for (int i = 0; i < num; i++) {
44         //WRITE CODE
45     }
46     return 0 ;
47 }
48
```