

```

1  /*****
2  File name: csv.h
3  Description: read csv file
4  *****/
5
6  #ifndef _CSV_H
7  #define _CSV_H
8
9  #include <iostream>
10 #include <algorithm>
11 #include <string>
12 #include <vector>
13
14 using namespace std;
15
16 class Csv { // read and parse comma-separated values
17     // sample input: "LU",86.25,"11/4/1998","2:19PM",+4.0625
18
19 public:
20     Csv(istream& fin = cin, string sep = ",") :
21         fin(fin), fieldsep(sep) {}
22
23     int getline(string&);
24     string getfield(int n);
25     int getnfield() const { return nfield; }
26
27 private:
28     istream& fin;           // input file pointer
29     string line;           // input line
30     vector<string> field;   // field strings
31     int nfield;            // number of fields
32     string fieldsep;       // separator characters
33
34     int split();
35     int endofline(char);
36     int advplain(const string& line, string& fld, int);
37     int advquoted(const string& line, string& fld, int);
38 };
39
40 #endif
41

```