

```
1: // $Id: splitline.cpp,v 1.26 2014-04-24 14:18:14-07 - - $
2:
3: //
4: // Illustrate splitting of input lines.
5: //
6:
7: #include <iostream>
8: #include <string>
9: using namespace std;
10:
11: string trim (const string &str) {
12:     size_t first = str.find_first_not_of (" \t");
13:     if (first == string::npos) return "";
14:     size_t last = str.find_last_not_of (" \t");
15:     return str.substr (first, last - first + 1);
16: }
17:
18: int main() {
19:     for (;;) {
20:         string line;
21:         getline (cin, line);
22:         if (cin.eof()) break;
23:         cout << endl << "line = \"" << line << "\"" << endl;
24:         line = trim (line);
25:         if (line.size() == 0 or line[0] == '#') {
26:             cout << "Comment or blank line." << endl;
27:             continue;
28:         }
29:         size_t pos = line.find_first_of ("=");
30:         if (pos == string::npos) {
31:             cout << "key = \"" << line << "\"" << endl;
32:             cout << "No value in this line." << endl;
33:         } else {
34:             string key = trim (line.substr (0, pos == 0 ? 0 : pos - 1));
35:             string value = trim (line.substr (pos + 1));
36:             cout << "key = \"" << key << "\"" << endl;
37:             cout << "value = \"" << value << "\"" << endl;
38:         }
39:     }
40:     return 0;
41: }
42:
43: /*
44: //TEST// (echo '      # comment      ' ;
45: //TEST// echo ' ;
46: //TEST// echo '      No equal in this line. ;
47: //TEST// echo '      key key key = value value value ;
48: //TEST// echo ' only key here = ;
49: //TEST// echo ' = only value here ;
50: //TEST// echo ' = ;
51: //TEST// ) | splitline >splitline.out 2>&1
52: //TEST// mkpspdf splitline.ps splitline.cpp* splitline.out
53: */
```

[illegible]

```
1:
2: line = "      # comment      "
3: Comment or blank line.
4:
5: line = "                                "
6: Comment or blank line.
7:
8: line = "      No equal in this line.      "
9: key  = "No equal in this line."
10: No value in this line.
11:
12: line = "      key key key  =  value value value  "
13: key  = "key key key"
14: value = "value value value"
15:
16: line = "only key here =      "
17: key  = "only key here"
18: value = ""
19:
20: line = "      = only value here      "
21: key  = ""
22: value = "only value here"
23:
24: line = "      =      "
25: key  = ""
26: value = ""
```