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1: // $Id: getenv.cpp,v 1.22 2015-08-06 17:38:19-07 - - $
2:
3: // NAME
4: //     showgetenv - show the operation of getenv
5: //
6: // SYNOPSIS
7: //     showgetenv envvar...
8: //
9: // DESCRIPTION
10: //     Prints the value of environment variables given on the
11: //     command line.
12: //
13:
14: #include <algorithm>
15: #include <cstdlib>
16: #include <iostream>
17: #include <libgen.h>
18: #include <string>
19: #include <vector>
20: using namespace std;
21:
22: int main (int argc, char**argv) {
23:     int status = EXIT_SUCCESS;
24:     string execname = basename (argv[0]);
25:     vector<string> args (&argv[1], &argv[argc]);
26:     if (args.size() == 0) {
27:         extern char** environ;
28:         for (auto env = environ; *env != nullptr; ++env) {
29:             cout << *env << endl;
30:         }
31:     }else {
32:         for (string varname: args) {
33:             const char* value = getenv (varname.c_str());
34:             if (value == nullptr) {
35:                 cerr << execname << ": " << varname << ": no such variable"
36:                     << endl;
37:                 status = EXIT_FAILURE;
38:             }else {
39:                 cout << varname << "=" << value << endl;
40:             }
41:         }
42:     }
43:     return status;
44: }
```