```cpp
 1: // $Id: argv.cpp,v 1.7 2016-03-24 17:33:54-07 - - $
 2:
 3: //
 4: // NAME
 5: //     argv - print out the argument vector
 6: //
 7: // SYNOPSIS
 8: //     argv [string...]
 9: //
10: // DESCRIPTION
11: //     Prints out its arguments to stdout, one per line.
12: //
13:
14: #include <cstdlib>
15: #include <iostream>
16:
17: using namespace std;
18:
19: int main (int argc, char** argv) {
20:    cout << "argc = " << argc << endl;
21:    cout << "argv = " << argv << endl;
22:    for (int argi = 0; argi < argc; ++argi) {
23:       cout << "argv[" << argi << "] = "
24:            << static_cast<void*> (argv[argi]) << "->\""
25:            << argv[argi] << "\"" << endl;
26:    }
27:    return EXIT_SUCCESS;
28: }
29:
30: //TEST// ./argv foo bar baz qux quux >argv.lis 2>&1
31: //TEST// mkpspdf argv.ps argv.cpp* argv.lis
32:
```

```
1: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ mkc: starting argv.cpp
2: argv.cpp:
3:      $Id: argv.cpp,v 1.7 2016-03-24 17:33:54-07 - - $
4: g++ -g -O0 -Wall -Wextra -rdynamic -std=gnu++14 argv.cpp
5:          -o argv -lglut -lGLU -lGL -lX11 -lrt -lm
6: rm -f argv.o
7: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ mkc: finished argv.cpp
```

```
1: argc = 6
2: argv = 0x7ffc42c768d8
3: argv[0] = 0x7ffc42c78b60->"./argv"
4: argv[1] = 0x7ffc42c78b67->"foo"
5: argv[2] = 0x7ffc42c78b6b->"bar"
6: argv[3] = 0x7ffc42c78b6f->"baz"
7: argv[4] = 0x7ffc42c78b73->"qux"
8: argv[5] = 0x7ffc42c78b77->"quux"
```