

```
1 // fo1/10/juno/CdCommand.java
2 //
3 //
4 // Copyright 2003, Bill Campbell and Ethan Bolker
5
6 import java.util.*;
7
8 /**
9  * The Juno shell command to change directory.
10  * Usage:
11  * <pre>
12  *   cd [directory]
13  * </pre>
14  * For moving to the named directory.
15  *
16  * @version 1.0
17  */
18
19 class CdCommand extends ShellCommand
20 {
21     CdCommand()
22     {
23         super( "change current directory", "[ directory ]" );
24     }
25
26     /**
27     * Move to the named directory
28     *
29     * @param args the remainder of the command line.
30     * @param sh the current shell
31     *
32     * @exception JunoException for reporting errors
33     */
34
35     public void doIt( StringTokenizer args, Shell sh )
36     throws JunoException
37     {
38         String dirname = "";
39         Directory d = sh.getUser().getHome(); // default
40         if ( args.hasMoreTokens() ) {
41             dirname = args.nextToken();
42             if (dirname.equals(".")) {
43                 if (sh.getDot().isRoot()) {
44                     d = sh.getDot(); // no change
45                 }
46                 else
47                     d = sh.getDot().getParent();
48             }
49             else if (dirname.equals("..")) {
50                 d = sh.getDot(); // no change
51             }
52             else {
53                 d = (Directory)(sh.getDot().retrieveFile(dirname));
54             }
55         }
56         sh.setDot( d );
57     }
58 }
```

57 }