

```
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                 else
46                     d = sh.getDot().getParent();
47             }
48             else if (dirname.equals("..")) {
49                 d = sh.getDot(); // no change
50             }
51             else {
52                 d = (Directory)(sh.getDot().retrieveFile(dirname));
53             }
54         }
55         sh.setDot( d );
56     }
57 }
```

57 }