```
1    // joi/7/juno/HelpCommand.java
2    //
3    //
4    // Copyright 2003, Bill Campbell and Ethan Bolker
5
6    import java.util.*;
7
8    /**
9     * The Juno shell command to display help on the shell commands.
10    * Usage:
11    * <pre>
12    *    help
13    * </pre>
14    *
15    * @version 7
16    */
17
18   public class HelpCommand extends ShellCommand
19   {
20       HelpCommand()
21       {
22           super( "display ShellCommands" );
23       }
24
25       /**
26        * Print out help for all commands.
27        *
28        * @param args the remainder of the command line.
29        * @param sh   the current shell
30        *
31        * @exception JunoException for reporting errors
32        */
33       public void doIt( StringTokenizer args, Shell sh )
34           throws JunoException
35       {
36           // Get command keys from global table, print them out.
37
38           sh.getConsole().println( "shell commands" );
39           ShellCommandTable table = sh.getSystem().getCommandTable();
40           String[] names = table.getCommandNames();
41           for (int i = 0; i < names.length; i++ ) {
42               String cmdname = names[i];
43               ShellCommand cmd =
44                   (ShellCommand) table.lookup( cmdname );
45               sh.getConsole().
46                   println( "  " + cmdname + ": " + cmd.getHelpString() );
47           }
48       }
49   }
50
```