```
 1  // joi/10/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 10
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
34      public void doIt( StringTokenizer args, Shell sh )
35           throws JunoException
36      {
37          // Get command keys from global table, print them out.
38
39          sh.getConsole().println( "shell commands" );
40          ShellCommandTable table = sh.getSystem().getCommandTable();
41          String[] names = table.getCommandNames();
42          for (int i = 0; i < names.length; i++ ) {
43              String cmdname = names[i];
44              ShellCommand cmd =
45                  (ShellCommand) table.lookup( cmdname );
46              sh.getConsole().
47                  println( "  " + cmdname + ": " + cmd.getHelpString() );
48          }
49      }
50  }
```