

```

1 // fo1/6/juno/ShellCommand.java
2 //
3 //
4 // Copyright 2003 Ethan Bolker and Bill Campbell
5
6 import java.util.*;
7
8 /**
9  * Model those features common to all ShellCommands.
10 *
11 * Each concrete extension of this class provides a constructor
12 * and an implementation for method doIt.
13 *
14 * @version 6
15 */
16
17 public abstract class ShellCommand
18 {
19     private String helpString; // documents the command
20     private String argString; // any args to the command
21
22     /**
23      * A constructor, always called (as super()) by the subclass.
24      * Used only for commands that have arguments.
25      *
26      * @param helpString a brief description of what the command does.
27      * @param argString a prototype illustrating the required arguments.
28      */
29
30     protected ShellCommand( String helpString, String argString )
31     {
32         this.argString = argString;
33         this.helpString = helpString;
34     }
35
36     /**
37      * A constructor for commands having no arguments.
38      *
39      * @param helpString a brief description of what the command does.
40      */
41
42     protected ShellCommand( String helpString )
43     {
44         this( helpString, "" );
45     }
46
47     /**
48      * Execute the command.
49      *
50      * @param args the remainder of the command line.
51      * @param sh the current shell
52      */
53
54     public abstract void doIt( StringTokenizer args, Shell sh );
55
56     /**

```

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57      * Help for this command.
58      *
59      * @return the help string.
60      */
61
62     public String getHelpString()
63     {
64         return helpString;
65     }
66
67     /**
68      * The argument string prototype.
69      *
70      * @return the argument string prototype.
71      */
72
73     public String getArgString()
74     {
75         return argString;
76     }
77 }

```