

---

Listing 5.1

---

```
<?xml version='1.0' encoding='ISO-8859-1' ?>
<!DOCTYPE map
  PUBLIC "-//Sun Microsystems Inc.//DTD JavaHelp Map Version 2.0//EN"
  "dtd/map_2_0.dtd">

<map version="2.0">
  <mapID target="welcome" url="help/welcome.html" />
  <mapID target="who" url="help/who.html" />
  <mapID target="what" url="help/what.html" />
  <mapID target="when" url="help/when.html" />
  <mapID target="where" url="help/where.html" />
  <mapID target="why" url="help/why.html" />
  <mapID target="how" url="help/how.html" />
</map>
```

---

Listing 5.2

---

```
<html>
<body>

<h1>Welcome to HelloWorld!</h1>

</body>
</html>
```

---

Listing 5.3

---

```
<html>
<body>

<h1>Who are you?</h1>
<p>We would like to greet you.</p>

</body>
</html>
```

---

Listing 5.4

---

```
<?xml version='1.0' encoding='ISO-8859-1' ?>
<!DOCTYPE toc
  PUBLIC "-//Sun Microsystems Inc.//DTD JavaHelp TOC Version 2.0//EN"
  "toc_2_0.dtd">

<toc version="2.0">

  <tocitem text="HelloWorld" image="toplevelfolder" target="top">

    <tocitem text="Welcome" target="welcome"/>

    <tocitem text="Who" expand="true" target="who">
      <tocitem text="How" target="how"/>
    </tocitem>

    <tocitem text="What" target="what"/>
    <tocitem text="When" target="when"/>
    <tocitem text="Where" target="where"/>
    <tocitem text="Why" target="why"/>

  </tocitem>
</toc>
```

---

Listing 5.5

```
<?xml version='1.0' encoding='ISO-8859-1' ?>
<!DOCTYPE helpset PUBLIC
  "-//Sun Microsystems Inc.//DTD JavaHelp HelpSet Version 2.0//EN"
  "helpset_2_0.dtd">

<helpset version="2.0">

  <!-- title -->
  <title>HelloWorld Help</title>

  <!-- maps -->
  <maps>
    <homeID>top</homeID>
    <mapref location="map.jhm"/>
  </maps>

  <!-- views -->
  <view>
    <name>TOC</name>
    <label>Table Of Contents</label>
    <type>javax.help.TOCView</type>
    <data>toc.xml</data>
  </view>

  <presentation default="true" displayviewimages="false">
    <name>main window</name>
    <size width="700" height="400" />
    <location x="200" y="200" />
    <title>HelloWorld Online Help</title>
    <image>toplevelfolder</image>
    <toolbar>
      <helpaction>javax.help.BackAction</helpaction>
      <helpaction>javax.help.ForwardAction</helpaction>
      <helpaction>javax.help.SeparatorAction</helpaction>
      <helpaction>javax.help.HomeAction</helpaction>
      <helpaction>javax.help.ReloadAction</helpaction>
      <helpaction>javax.help.SeparatorAction</helpaction>
      <helpaction>javax.help.PrintAction</helpaction>
      <helpaction>javax.help.PrintSetupAction</helpaction>
    </toolbar>
  </presentation>
  <presentation>
    <name>main</name>
    <size width="400" height="400" />
    <location x="200" y="200" />
    <title>HelloWorld Help</title>
  </presentation>
</helpset>
```

---

Listing 5.6

```
...

private void addHelp() {
  JButton helpButton1 = new JButton("Help 1");
  add(helpButton1);

  JButton helpButton2 = new JButton("Help 2");
```

```
        add(helpButton2);
    }
    ...
```

---

Listing 5.7

---

```
    ...
    hello.display(name);
    hello.addHelp();
    JFrame frame = new JFrame();
    ...
```

---

Listing 5.8

---

```
    ...

    private ActionListener displayHelp(Component button, String topic) {
        HelpSet hs = null;
        String helpSetFile = "helpSet.hs";
        ClassLoader cl = this.getClass().getClassLoader();
        try {
            URL hsURL = HelpSet.findHelpSet(cl, helpSetFile);
            hs = new HelpSet(null, hsURL);
        } catch (Exception e) {
            e.printStackTrace();
        }
        HelpBroker hb = hs.createHelpBroker();
        CSH.setHelpIDString(button, topic);
        return (new CSH.DisplayHelpFromSource(hb));
    }

    ...
```

---

Listing 5.9

---

```
    ...

    private void addHelp() {
        JButton helpButton1 = new JButton("Help 1");
        helpButton1.addActionListener(displayHelp(
            helpButton1, "welcome"));
        add(helpButton1);

        JButton helpButton2 = new JButton("Help 2");
        helpButton2.addActionListener(displayHelp(
            helpButton2, "who"));
        add(helpButton2);
    }
    ...
```

---

Listing 5.10

---

```
    ...

    <!-- copy resources into the res directory -->
    <copy todir="dist/res" verbose="true">
        <fileset dir="work"
            includes="HelloWorld.html,
            settings.hwd"/>
    </copy>
    <!-- put help files in the bin directory -->
    <copy todir="bin" verbose="true">
```

```
        <fileset dir="work/helpFiles"
            includes="*.*, */*.*"/>
    </copy>
    <echo message="-Init Complete"/>
</target>
```

...

---

#### Listing 5.11

---

```
...

<javac srcdir="src" destdir="bin" debug="${debug}">
    <classpath>
        <pathelement location=
            "c:/Program Files (x86)/jh2.0/javahelp/lib/jhbasic.jar"/>
    </classpath>
</javac>
...
```

---

#### Listing 5.12

---

```
...

<jar destfile="dist/lib/HelloWorld1_0.jar"
    basedir="bin"
    includes="com/mydomain/helloworld/*.class">
    <fileset dir="work/helpFiles" includes="*.*, */*.*"/>
    <manifest>
        <attribute name="Main-Class"
            value="com.mydomain.helloworld.HelloWorld"/>
        <attribute name="Class-Path" value="jhbasic.jar"/>
    </manifest>
</jar>

...
```

---

#### Listing 5.13

---

```
...

<target name="Backup" depends="Date"
    description="Backup all source files into a jar">
    <jar destfile="backup/HelloWorldSrc1_0-${build.date}.jar">
        <fileset dir="src/com/mydomain/helloworld" includes="*.java"/>
        <fileset dir="" includes="build.xml"/>
        <fileset dir="work"
            includes="HelloWorld.html,
                settings.hwd"/>
        <fileset dir="work/helpFiles" includes="*.*, */*.*"/>
    </jar>
    <echo message="Backup Complete"/>
</target>

...
```

---

#### Listing 5.14

---

```
...

<view>
    <name>TOC</name>
    <label>Table Of Contents</label>
```

```

        <type>javax.help.TOCView</type>
        <data>toc.xml</data>
    </view>

    <view>
        <name>Index</name>
        <label>Index</label>
        <type>javax.help.IndexView</type>
        <data>index.xml</data>
    </view>

    ...

```

---

Listing 5.15

---

```

<?xml version='1.0' encoding='ISO-8859-1' ?>
<!DOCTYPE index PUBLIC
    "-//Sun Microsystems Inc.//DTD JavaHelp Index Version 2.0//EN"
    "index_2_0.dtd">

<index version="2.0">

    (indexitem with target="top" was removed from here)

    <indexitem text="Welcome" target="welcome"/>

    <indexitem text="Who" expand="true" target="who"/>
    <indexitem text="How" target="how"/>

    (//indexitem was removed from here)

    <indexitem text="What" target="what"/>
    <indexitem text="When" target="when"/>
    <indexitem text="Where" target="where"/>
    <indexitem text="Why" target="why"/>

    (//indexitem was removed from here)

</indexitem>
</index>

```

---

Listing 5.16

---

```

<?xml version='1.0' encoding='ISO-8859-1' ?>
<!DOCTYPE index PUBLIC
    "-//Sun Microsystems Inc.//DTD JavaHelp Index Version 2.0//EN"
    "index_2_0.dtd">

<index version="2.0">

    <indexitem text="C">
        <indexitem text="Change">
            <indexitem text="Greeting" target="what"/>
            <indexitem text="Who" target="how"/>
        </indexitem>
    </indexitem>

    <indexitem text="G">
        <indexitem text="Greetings" target="welcome"/>
    </indexitem>

```

```

<indexitem text="H">
  <indexitem text="Hello to anyone" target="who"/>
  <indexitem text="How" target="how"/>
</indexitem>

<indexitem text="L">
  <indexitem text="Languages, see 'what'"/>
</indexitem>

<indexitem text="W">
  <indexitem text="Welcome" target="welcome"/>
  <indexitem text="What" target="what"/>
  <indexitem text="When" target="when"/>
  <indexitem text="Where" target="where"/>
  <indexitem text="Who" expand="true" target="who"/>
  <indexitem text="Why" target="why"/>
</indexitem>

</index>

```

---

#### Listing 5.17

---

```

...

:runjhindexer
java -jar "%JAVAHELP_HOME%\javahelp\bin\jhindexer.jar" %1 %2 %3 %4 %5 %6 %7 %8 %9

...

```

---

#### Listing 5.18

---

```

...

<view>
  <name>Index</name>
  <label>Index</label>
  <type>javax.help.IndexView</type>
  <data>index.xml</data>
</view>

<view>
  <name>Search</name>
  <label>Search</label>
  <type>javax.help.SearchView</type>
  <data engine="com.sun.java.help.search.DefaultSearchEngine">
    JavaHelpSearch
  </data>
</view>

...

```

---

#### Listing 5.19

---

```

...

<!-- put help files in the bin directory -->
<copy todir="bin" verbose="true">
  <fileset dir="work/helpFiles"
    includes="*.*, */*.*, */**"/>
</copy>

...

```

---

---

**Listing 5.20**

---

```
...

<javac srcdir="src" destdir="bin" debug="${debug}">
  <classpath>
    <pathelement
      location="c:/Program Files (x86)/jh2.0/javahelp/lib/jh.jar"/>
    </classpath>
  </javac>
...
```

---

**Listing 5.21**

---

```
...

<fileset dir="work/helpFiles" includes="*.*, */*.*, */**"/>
<manifest>
  <attribute name="Main-Class"
    value="com.mydomain.helloworld.HelloWorld"/>
  <attribute name="Class-Path" value="jh.jar"/>
</manifest>

...
```

---

**Listing 5.22**

---

```
...
<target name="Backup" depends="Date"
  description="Backup all source files into a jar">
  <jar destfile="backup/HelloWorldSrc1_0-${build.date}.jar">
    <fileset dir="src/com/mydomain/helloworld" includes="*.java"/>
    <fileset dir="" includes="build.xml"/>
    <fileset dir="work"
      includes="HelloWorld.html,
        settings.hwd"/>
    <fileset dir="work/helpFiles" includes="*.*, */*.*, */**"/>
  </jar>
  <echo message="Backup Complete"/>
</target>
...
```

---