

---

#### Listing 9.1

---

```
...

public class HelloWorld extends Applet{
    public static final String COPYRIGHT =
        "© Copyright My Company 2010";

    private static final long serialVersionUID = -1480071580639158577L;

    public static void main(String[] args) {

        ...
    }
}
```

---

#### Listing 9.2

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##### **HelloWorld License Agreement**

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**© Copyright My Company 2010**

**This License Agreement permits you to use only one copy of HelloWorld on a single computer or workstation.**

**You may not modify, translate, reverse engineer, decompile, or disassemble the HelloWorld software.**

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#### Listing 9.3

---

```
...
<target name="-Init">
    ...
    <!-- copy resources into the res directory -->
    <copy todir="dist/res" verbose="true">
        <fileset dir="work"
            includes="HelloWorld.exe,
                HelloWorld.html,
                HelloWorld.js,
                license.txt,
                settings.hwd,
                smiley.gif"/>
    </copy>
</target>

...

<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="cardinal.ico,
                cardinal.jpg,
                HelloWorld.exe,
                HelloWorld.html,
                HelloWorld.js,
                license.txt,
                settings.hwd,
                smiley.gif,
                smiley.ico,
```

```
smiley.odg,  
smileyV.gif,  
smileyV.ico"/>  
...
```

---

Listing 9.4

```
...  
<target name="HelloJar"  
  description="Build the HelloWorld jar file">  
  <jar destfile="work/HelloWorldTemp.jar" basedir="bin"  
    includes="com/mydomain/helloworld/*.class">  
  ...
```

---

Listing 9.5

```
-injars      HelloWorldTemp.jar  
-outjars     ../dist/lib/HelloWorld1_0.jar  
-libraryjars <java.home>/lib/rt.jar  
-libraryjars "c:\Program Files (x86)\jh2.0\javahelp\lib\jh.jar"  
-printmapping HelloWorldPro.map  
  
-keep public class com.mydomain.helloworld.HelloWorld{  
  public static void main(java.lang.String[]);  
}  
-keep public class com.mydomain.helloworld.HelloWorld{  
  public static final java.lang.String COPYRIGHT;  
}
```

---

Listing 9.6

```
...  
  
<target name="BuildAll"  
  description="Full Build"  
  depends="-Init, Compile, HelloJar, Obfuscate, Backup, Final">  
  <echo message="Build complete"/>  
</target>  
...  
  
<target name="Obfuscate"  
  description="Obfuscate the jar file">  
  <taskdef resource="proguard/ant/task.properties"  
    classpath=  
      "myDirectory/Downloads/Obfuscator/proguard4.4/lib/proguard.jar"/>  
  <proguard configuration = "work/HelloWorld.pro"/>  
  <echo message="Obfuscate Complete"/>  
</target>  
...  
  
<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="cardinal.ico,  
        cardinal.jpg,  
        HelloWorld.exe,  
        HelloWorld.html,  
        HelloWorld.js,
```

```
    HelloWorld.pro,  
    license.txt,  
    settings.hwd,  
    smiley.gif,  
    smiley.ico,  
    smiley.odg,  
    smileyV.gif,  
    smileyV.ico"/>  
    <fileset dir="work/helpFiles" includes="*.*, */*.*, */*."/>  
</jar>  
    <echo message="Backup Complete"/>  
</target>  
    ...
```

---