

ECE 462 C++ and Java

Lab Exercise 06

Java Applet

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Applet Demos

Applets - Mozilla Firefox

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An applet is a program written in the Java programming language that can be included in an HTML page, much in the same way an image is included in a page. When you use a Java technology-enabled browser to view a page that contains an applet, the applet's code is transferred to your system and executed by the browser's Java Virtual Machine (JVM). For information and examples on how to include an applet in an HTML page, refer to this description of the `<APPLET>` tag.

- » **Applet documentation from the Java Tutorial**
These applets are part of the official Java tutorial.
- » **JDK Demo Applets**
Every version of the Java Software Development Kit (aka JDK) includes a set of demo Applets which includes source code.

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
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Applets

JDK Demo Applets

JDK 1.4 demo applets. 

JDK 1.3 demo applets.


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http://java.sun.com/applets/jdk/1.4/index.html

JDK 1.4 Demo Applets

Demonstration applets and source code are included below. To run the applets, click on a link below with your web browser, or use AppletViewer to open the file named `example1.html` in the the applet's subdirectory.

Running an applet in a browser requires the Java™ Plug-in be installed. The AppletViewer is provided with the JDK, in the `bin` directory. For information about how to use the AppletViewer and other JDK tools, see [JDK Tools and Utilities](#).

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- ◆ [Blink](#)
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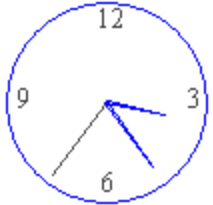
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A Clock (1.6) - Mozilla Firefox

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http://java.sun.com/applets/jdk/1.4/demo/applets/Clock/example1.htm java applet

A Clock (1.6)



Sat Feb 09 15:24:36 2008

The clock applet now has three parameters; the background color (bgcolor), the main foreground color (fgcolor1) and the secondary foreground color (the seconds hand and numbers) (fgcolor2). These three parameters are hexadecimal RGB numbers (like the ones used for the body bgcolor tag in HTML). For example:

```
<applet code="Clock.class" width=170 height=150>  
<param name=bgcolor value="000000">  
<param name=fgcolor1 value="ff0000">  
<param name=fgcolor2 value="ff00ff">  
</applet>
```

Applet Clock started

Lesson: Applets (The Java™ Tutorials > Deployment) - Mozilla Firefox

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Getting Started with Applets

- Importing Classes and Packages for Applets
- Defining an Applet Subclass
- The Life Cycle of an Applet
- Methods for Milestones
- Methods for Drawing and Event Handling
- Methods for Adding UI Components
- What Applets Can and Can't Do

Lesson: Applets

This lesson talks about the basics of applets, advantages of applets over applications, how to load applets in a web page, how to convert applications to applets and how applets work. You should thoroughly understand this lesson before going further in this trail.

An applet is a special kind of Java program that a browser enabled with Java technology can download from the internet and run. An applet is typically embedded inside a web-page and runs in the context of the browser. An applet must be a subclass of the `java.applet.Applet` class, which provides the standard interface between the

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NetBeans IDE 5.x Tutorial for Applets - Mozilla Firefox

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http://www.netbeans.org/kb/50/tutorial-applets.html

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NetBeans IDE 5.x Tutorial for Applets PRINTABLE VERSION

Though there are no project templates that are specifically designed for creating applets in NetBeans IDE 5.x, you can easily develop them in a Java project and package them in a web project. The application that you build in this tutorial guides you through the following activities in NetBeans IDE 5.x:

- [Creating or importing an applet source file](#). Create a Java project, create or import an applet source file (see the final section if you want to import a JAR file containing applet source files).
- [Running and debugging an applet source file](#). Run an applet source file, debug it by modifying its parameters in the `src` folder.
- [Embedding an applet in a web application](#). Create a web project, import a NetBeans IDE 5.x Java project or a JAR file containing applet source files, add applet tags to a JSP file or HTML file, run the web project.

Download NetBeans IDE

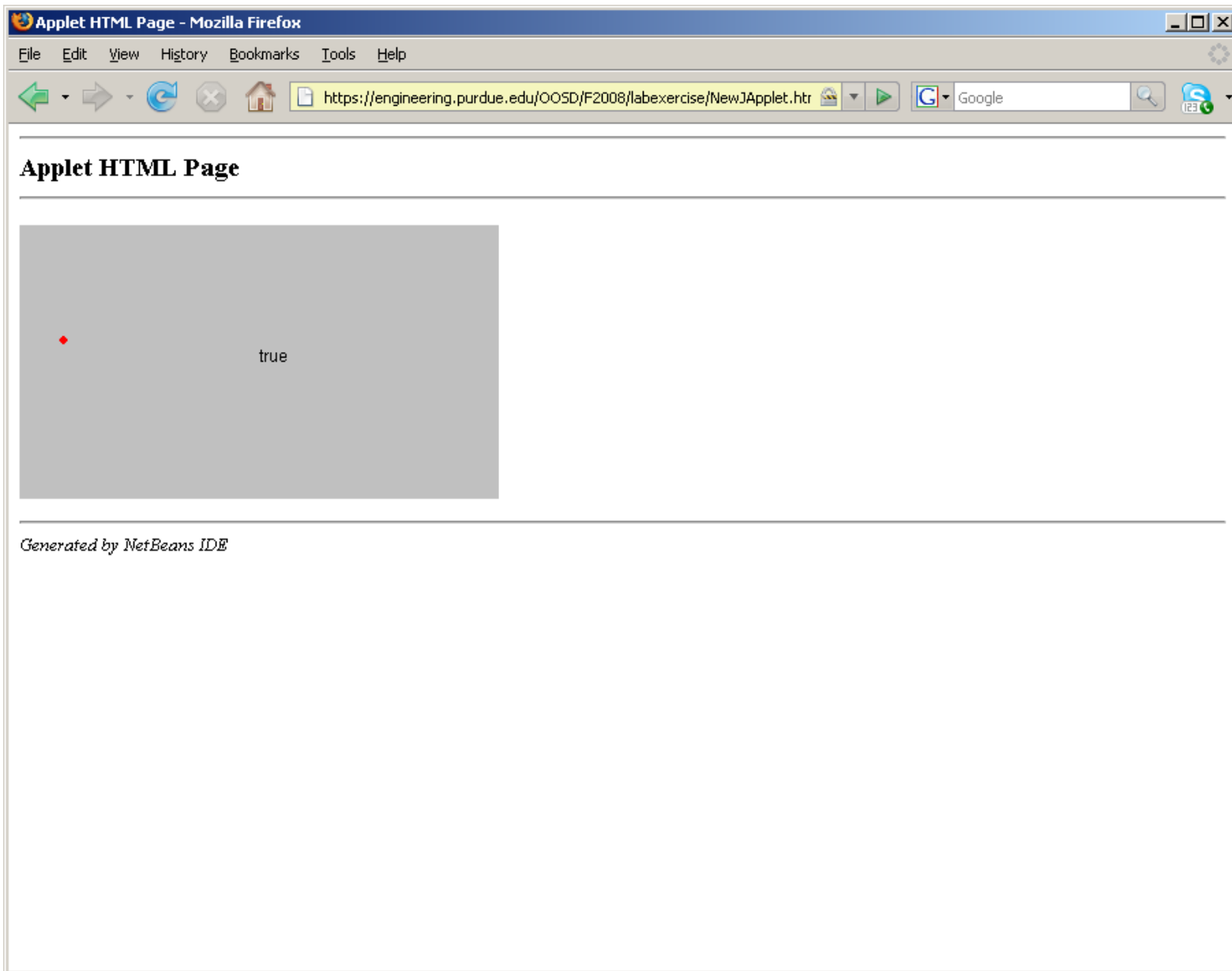
Documentation

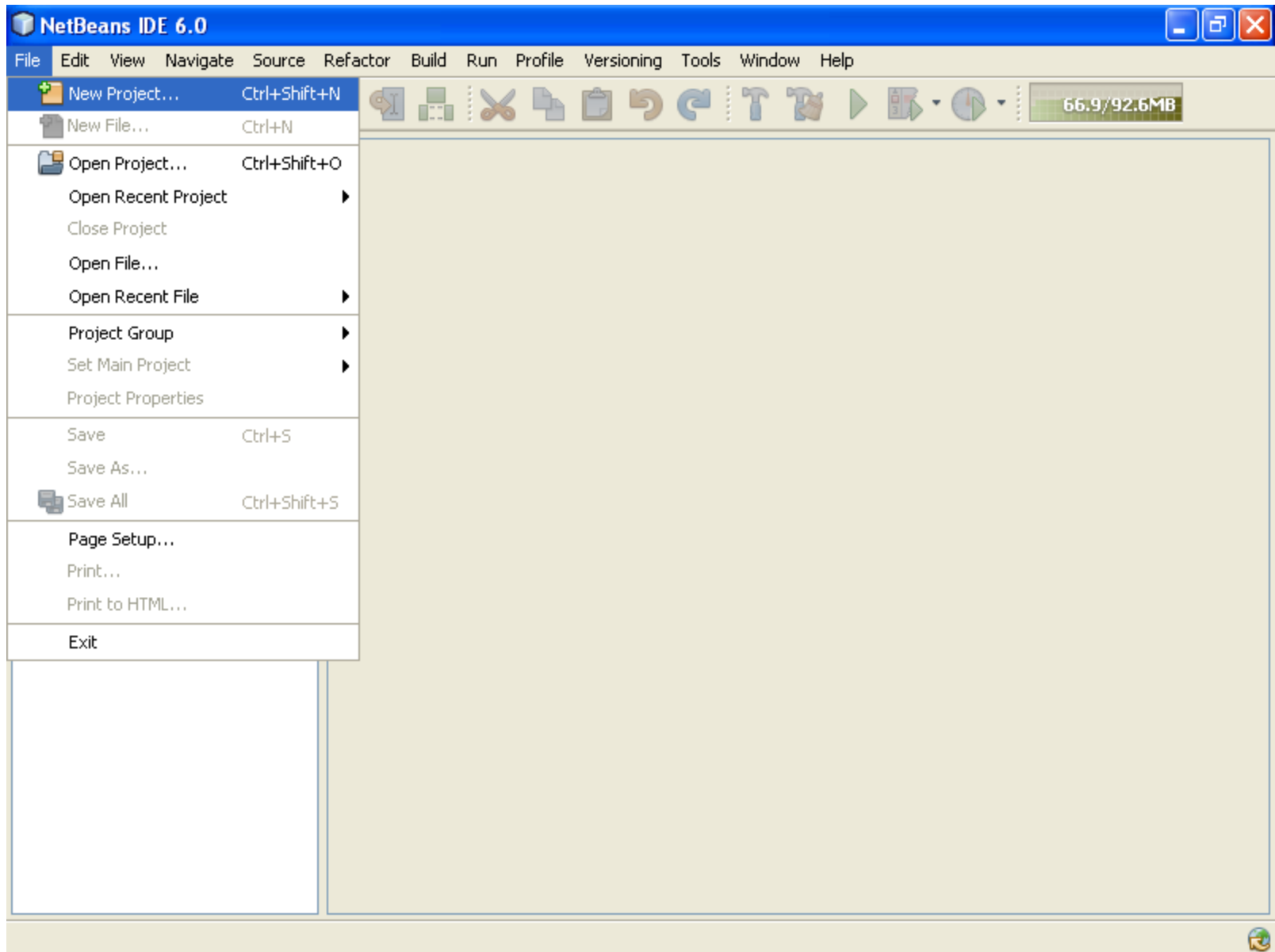
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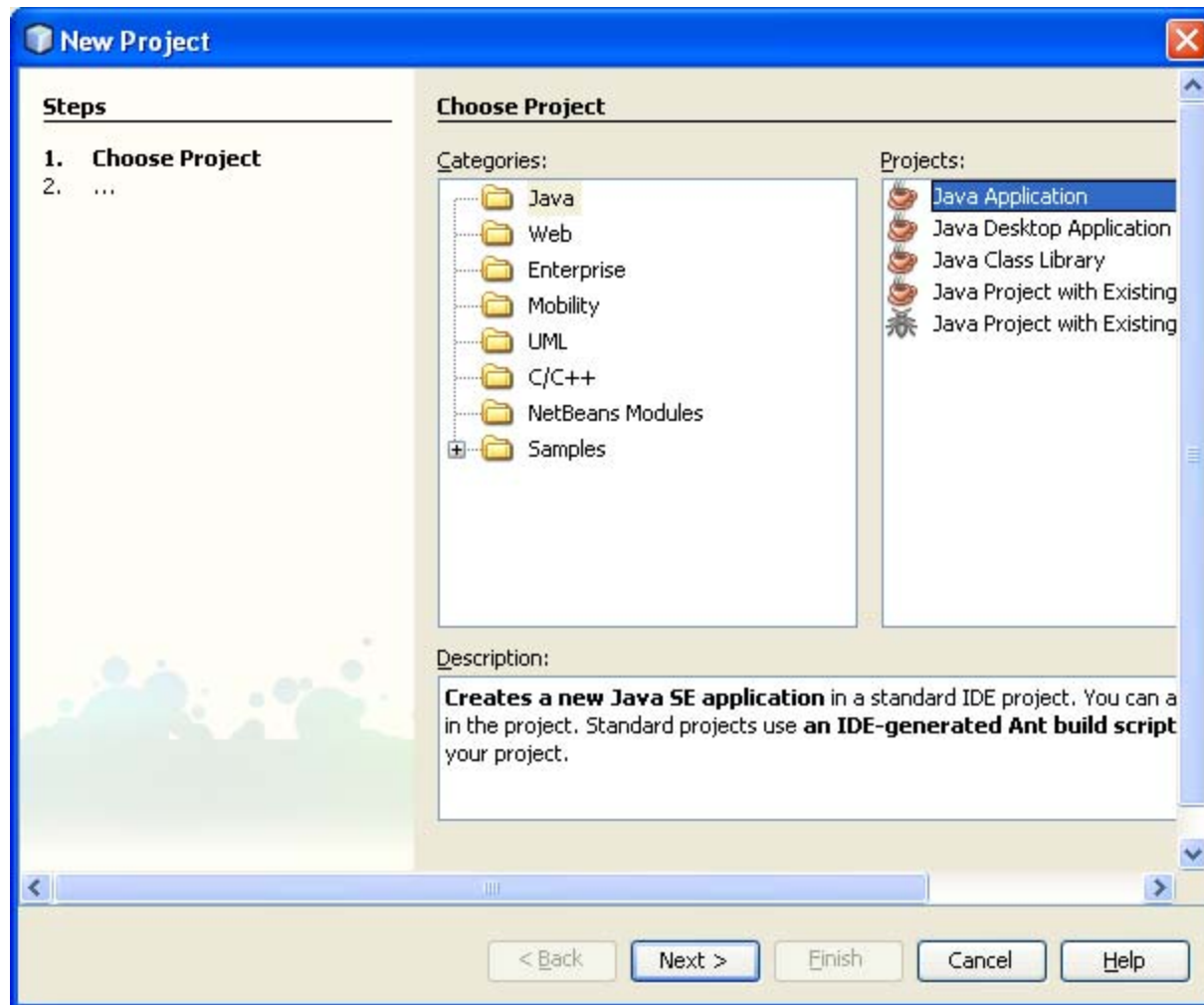
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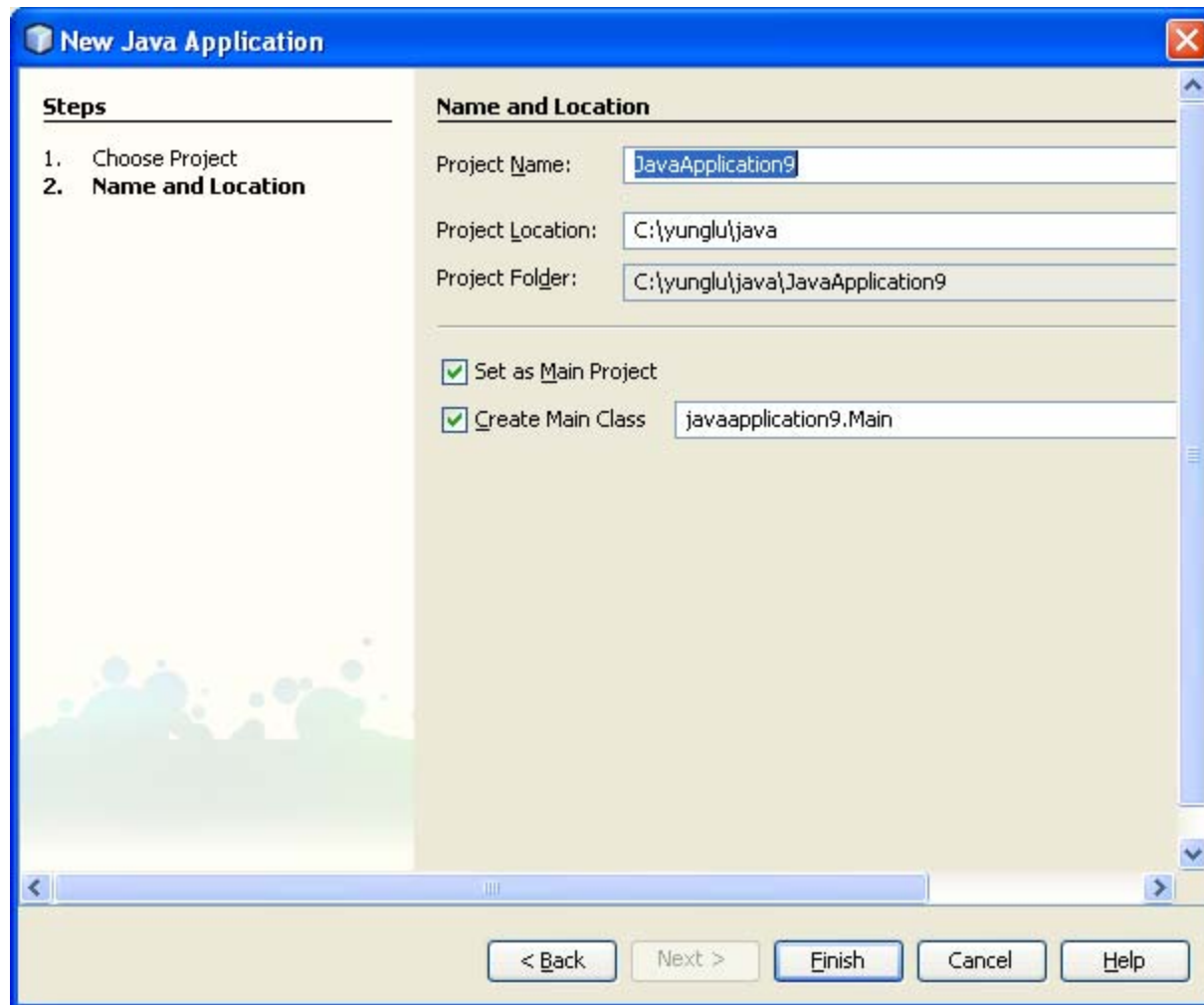
Create a **Dual-Purpose** Java Program

For both stand-alone application and Applet

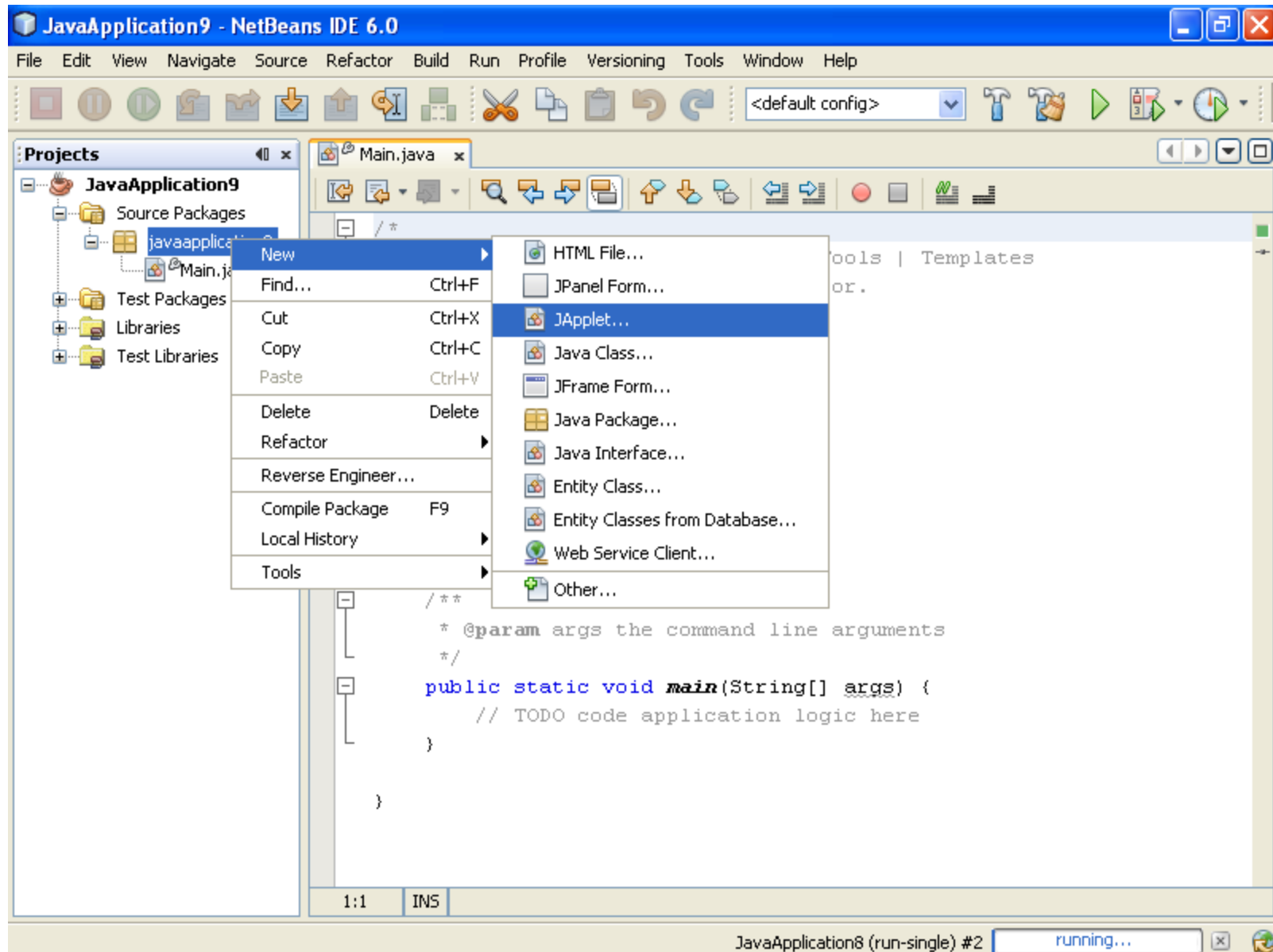


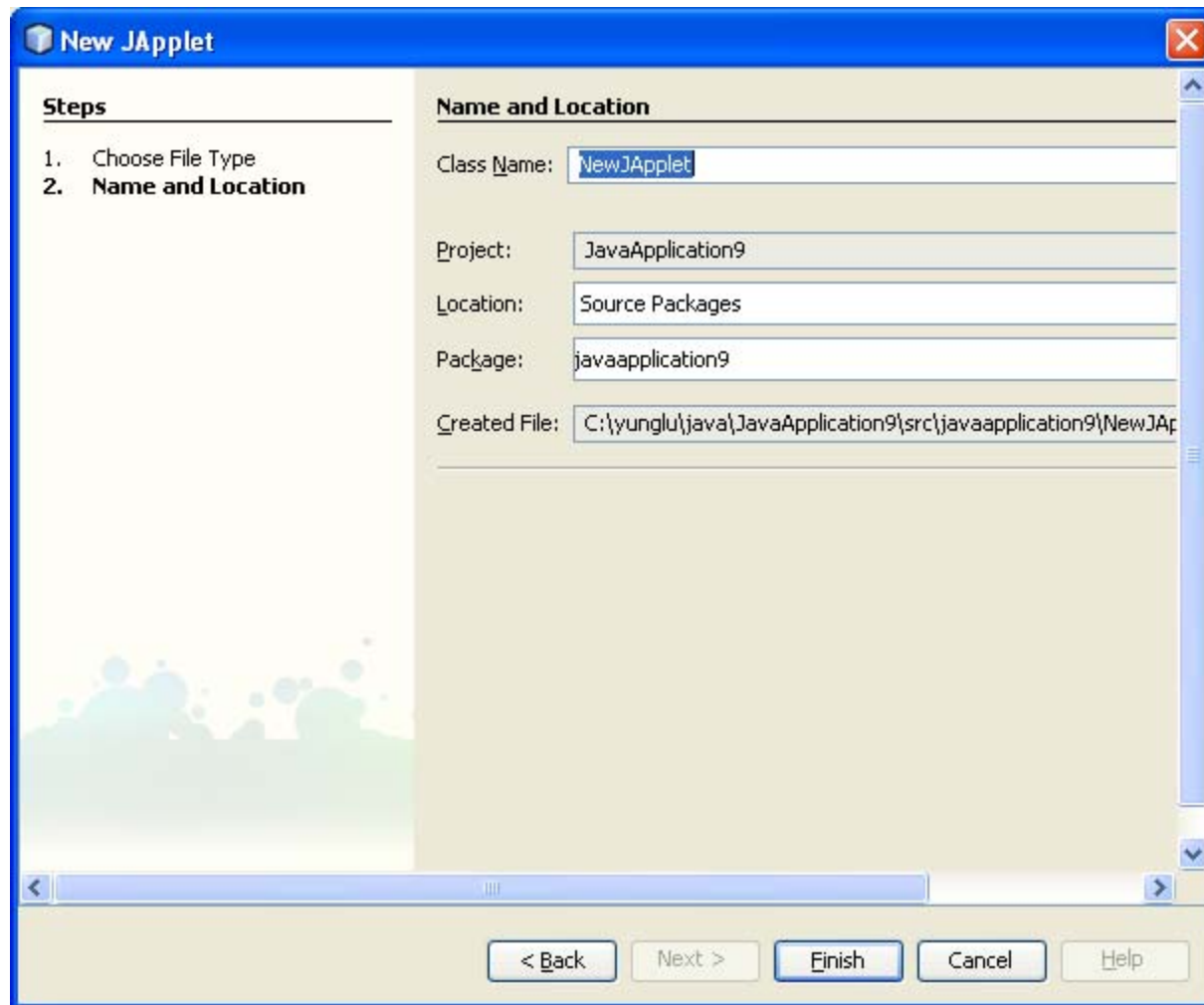


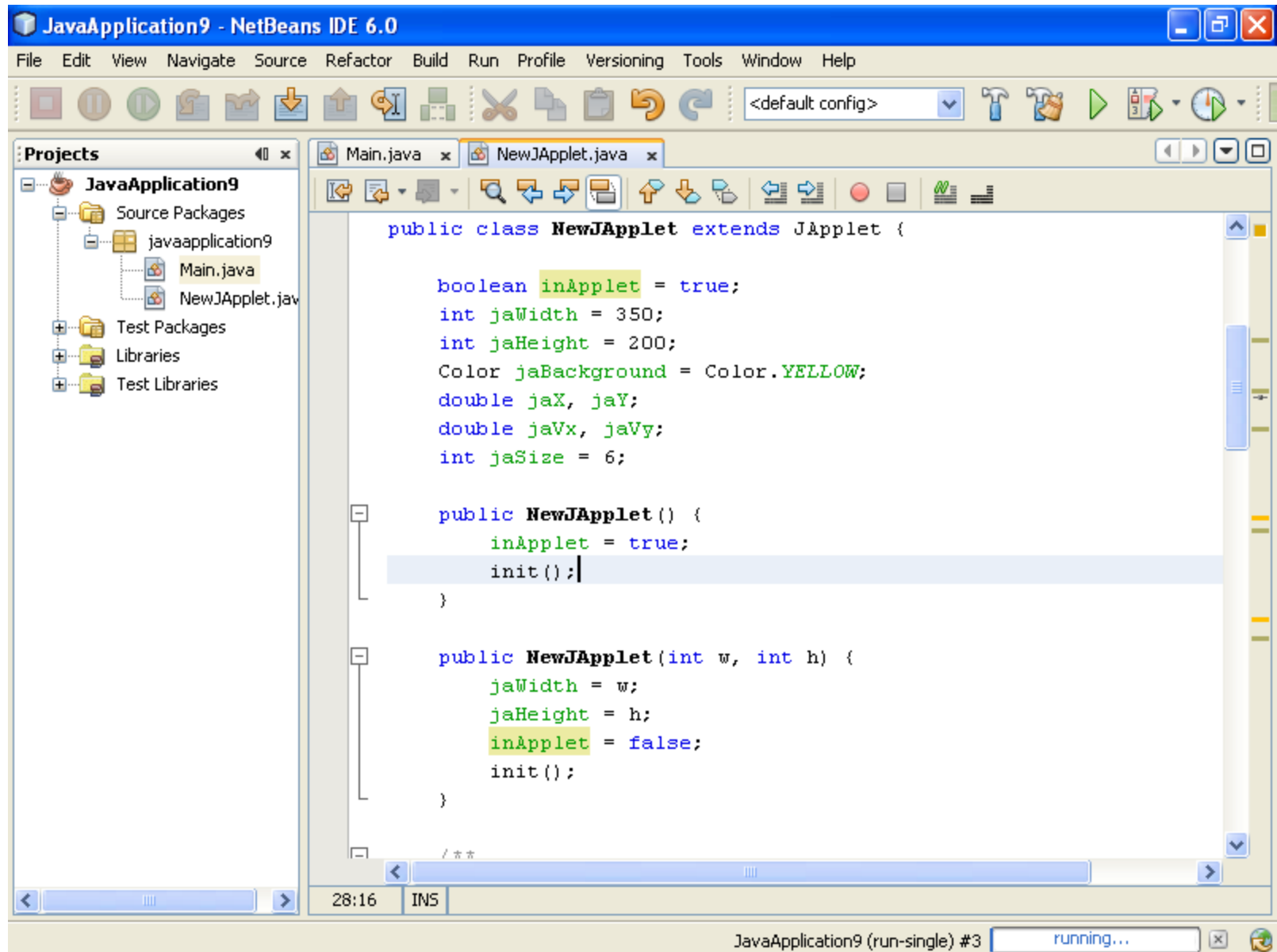


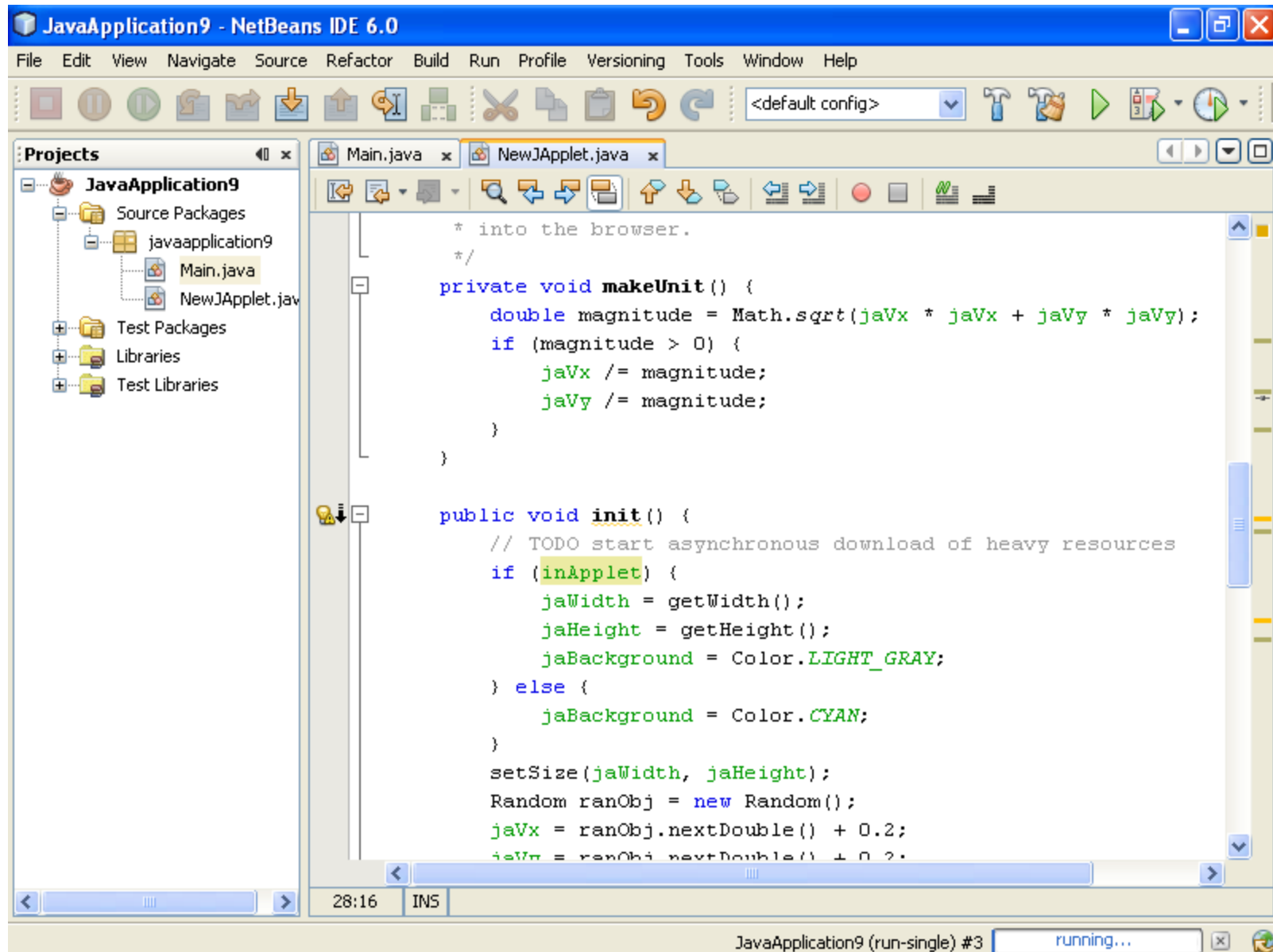


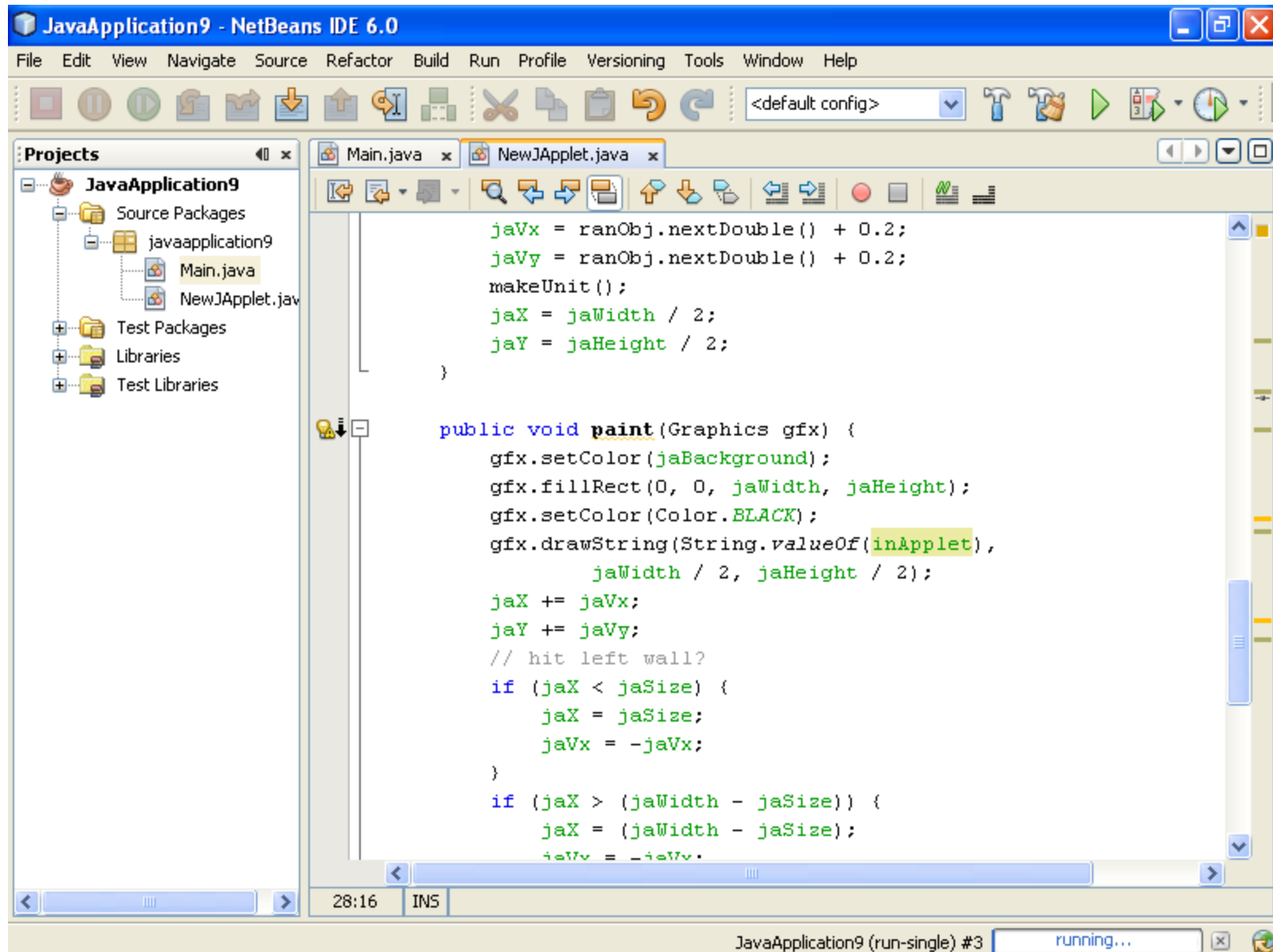
Create an Applet

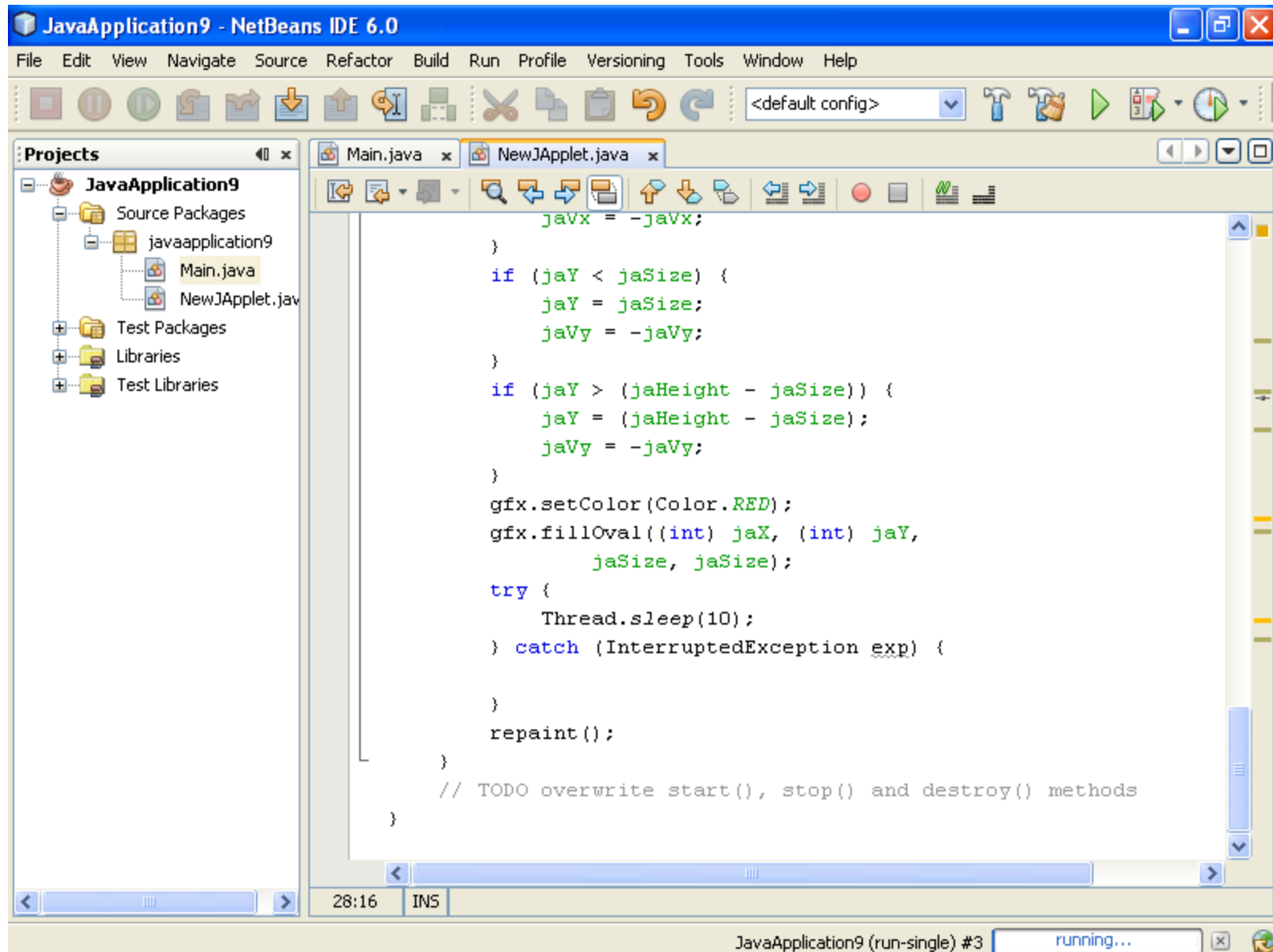




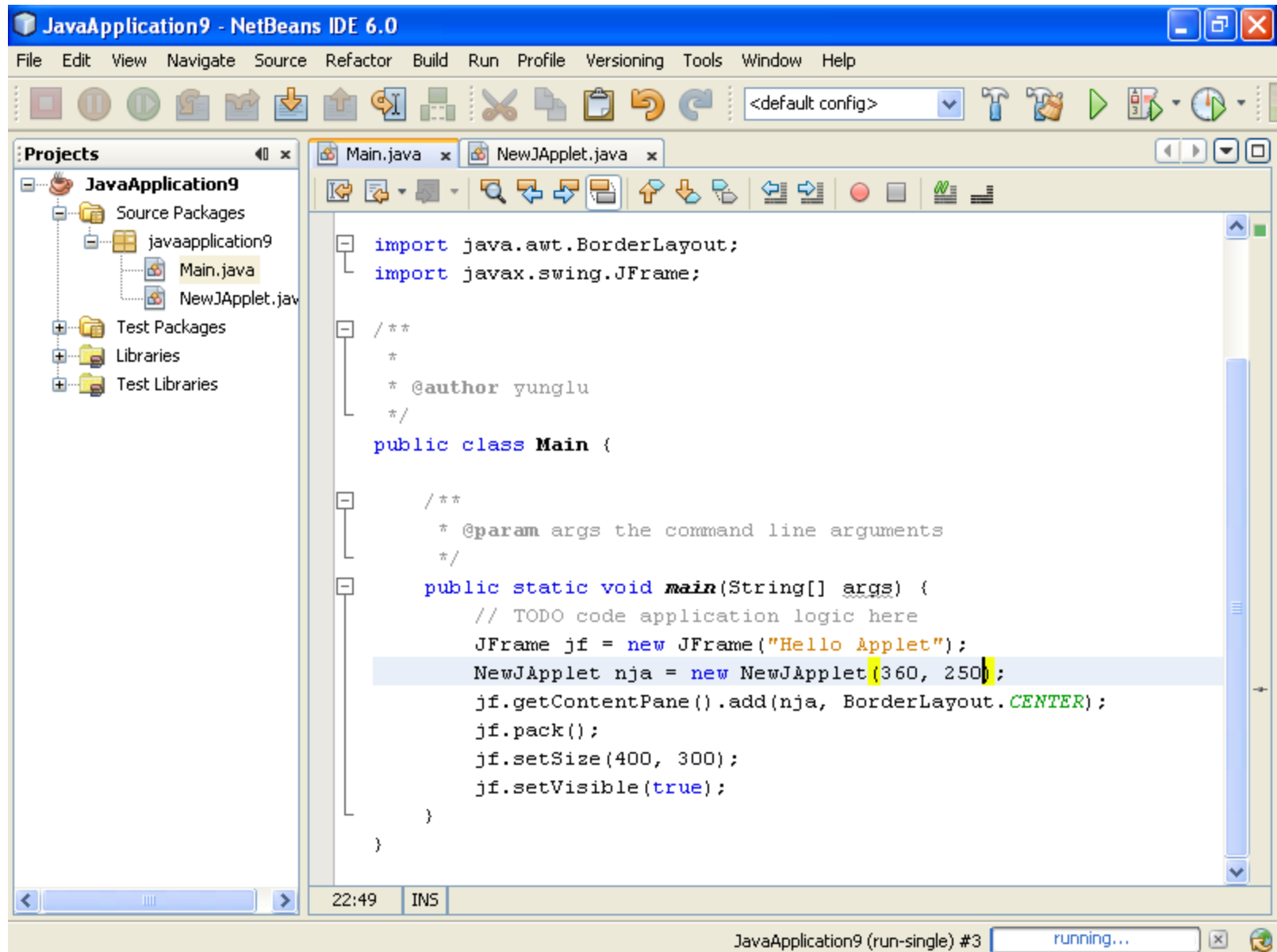


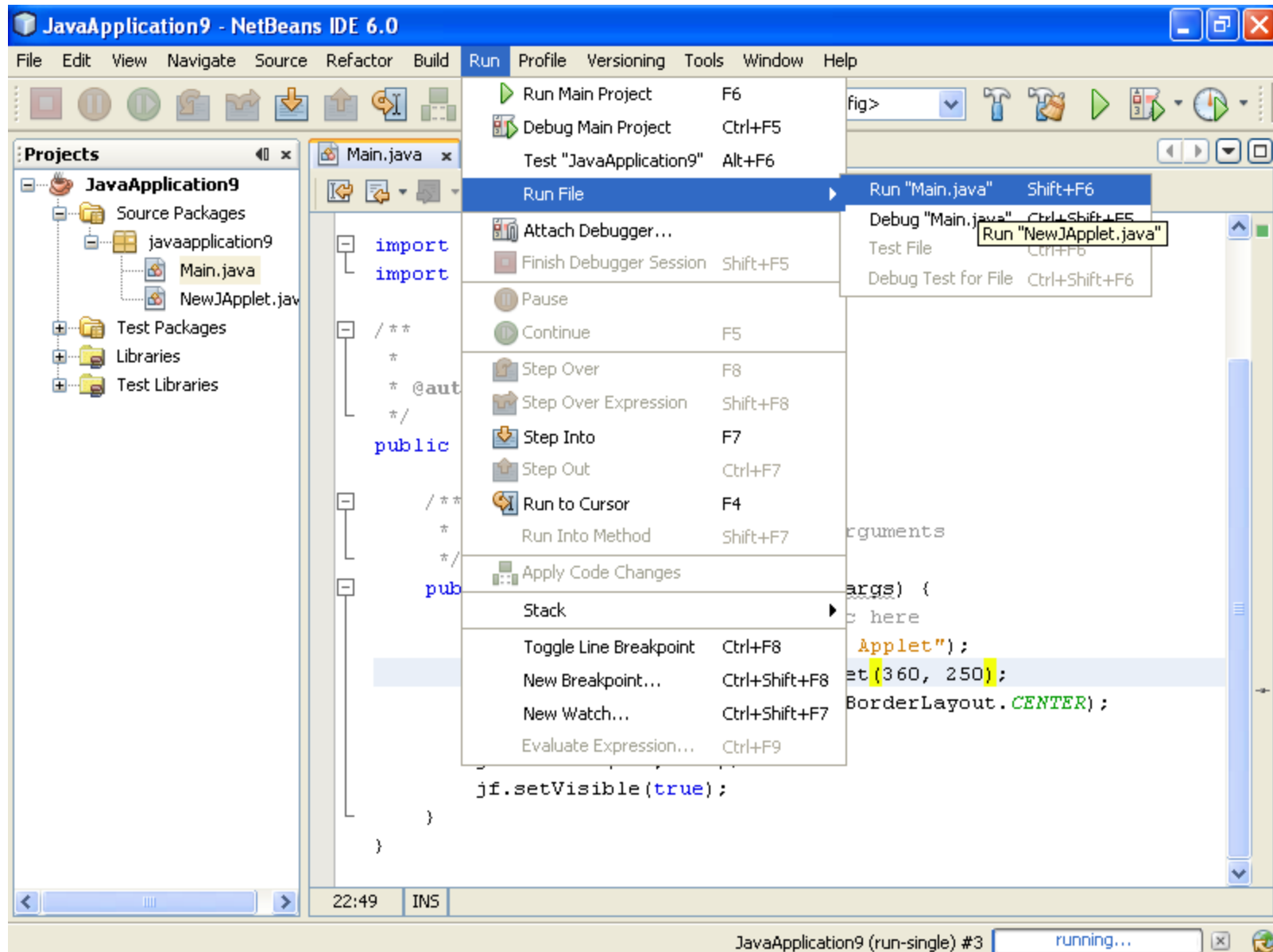




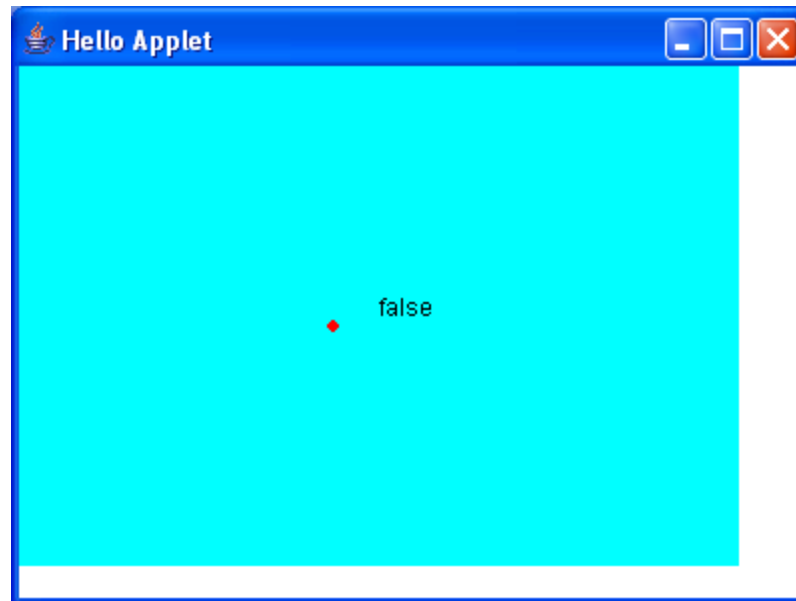


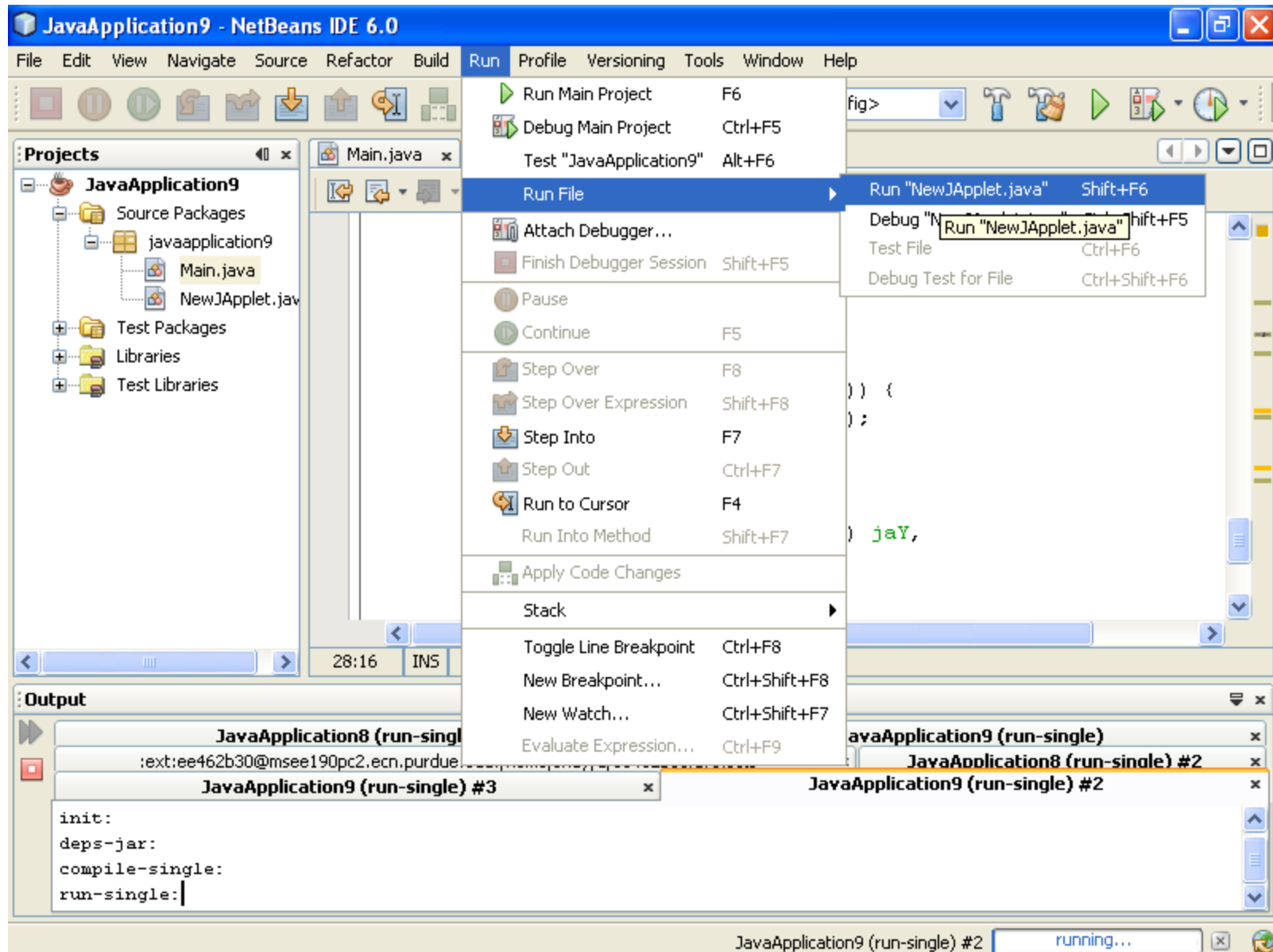
main function



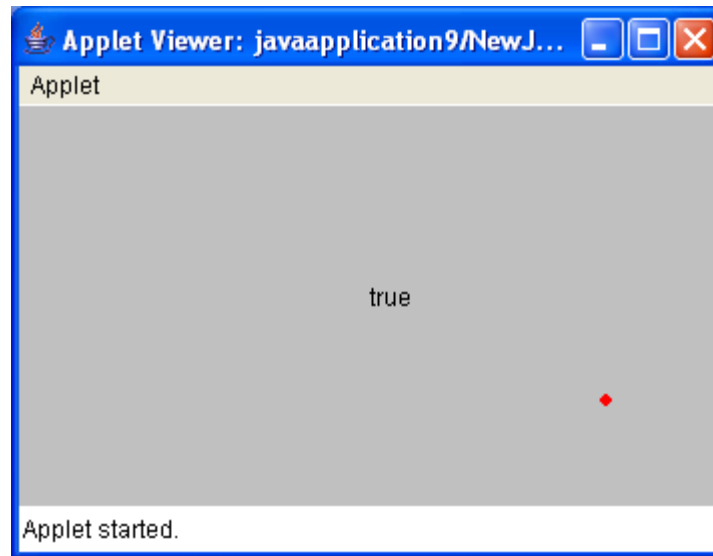


Java Application

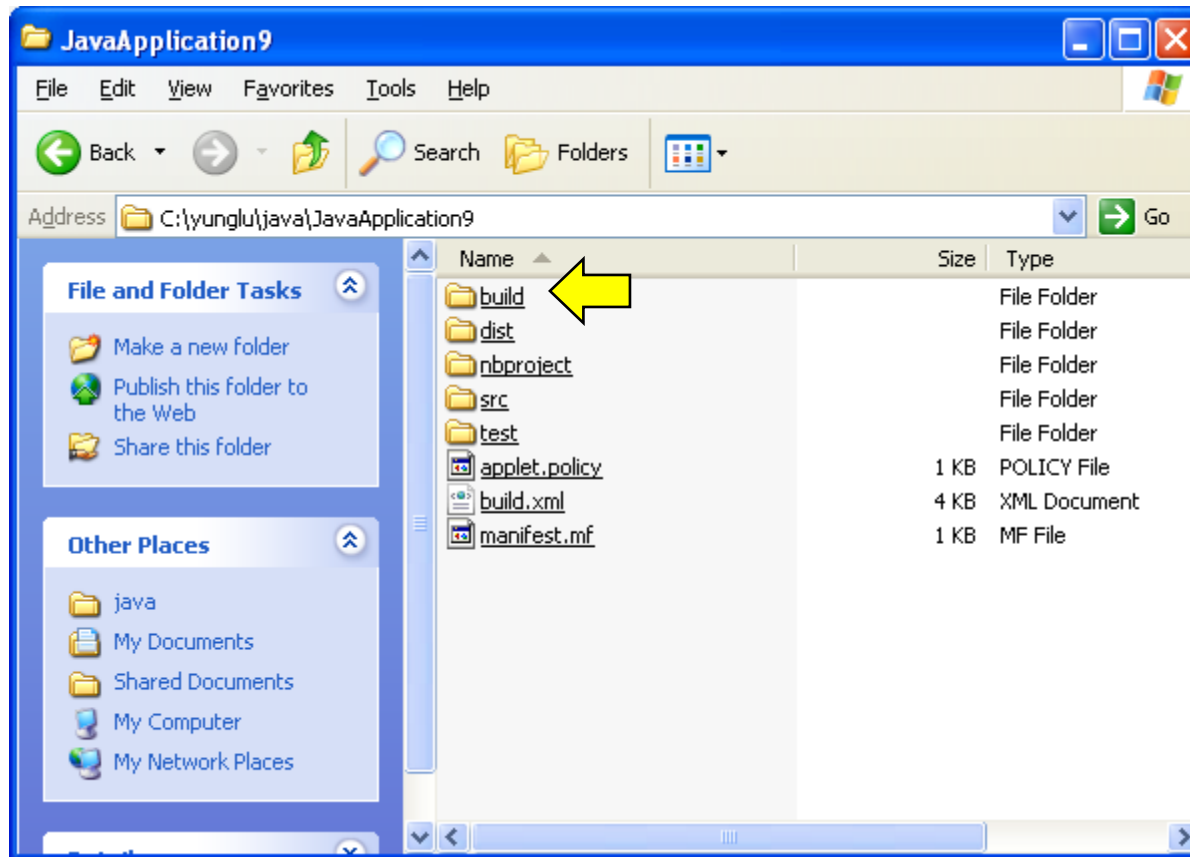


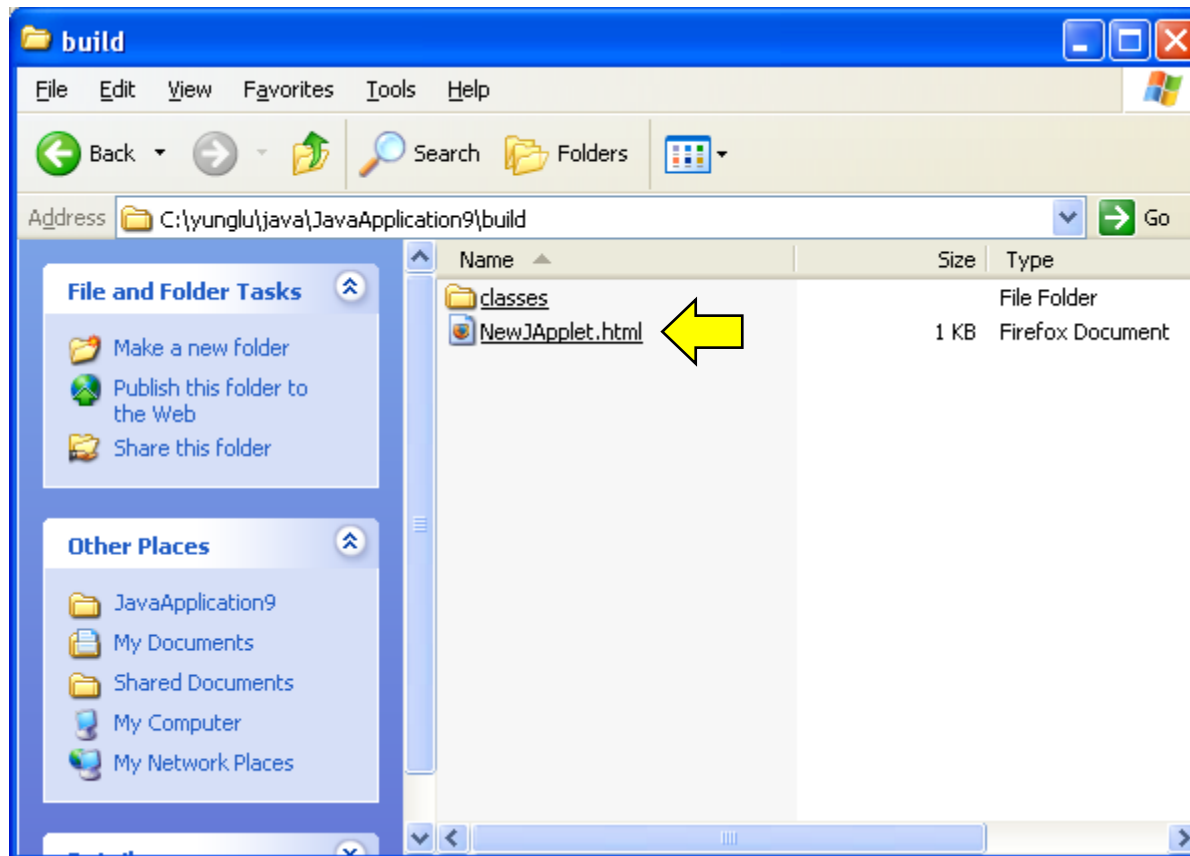


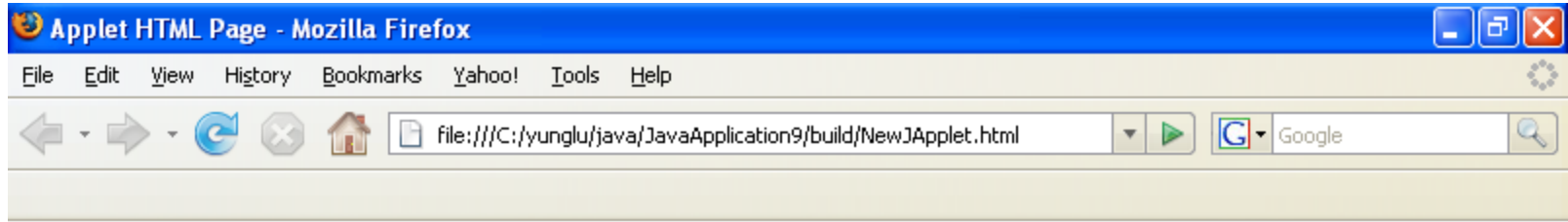
Java Applet



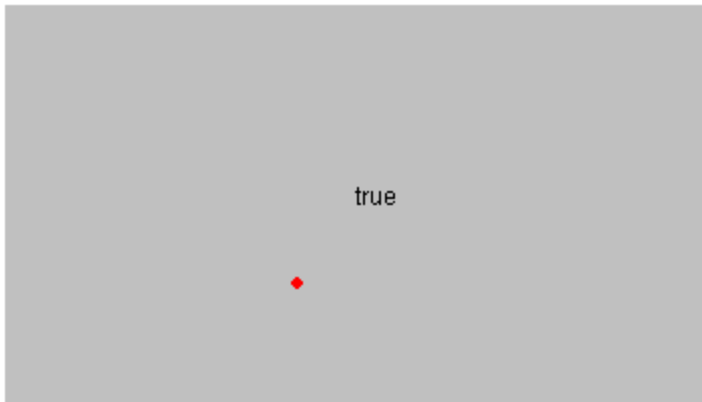
Embed Applet in HTML







Applet HTML Page



Generated by NetBeans IDE

Applet javaapplication9/NewJApplet started

Submission: A zip file of the CVS repository

Remember to commit all changes first.

Submit this exercise only.

Do not submit any other exercise.

Do not submit a wrong zip file.