

# Installing Java and Setting Up an IDE

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Please note that the instructions are limited to installing either Dr.Java, Netbeans or Eclipse as IDE.

**Mac users:** You may skip part 1 because the Mac OS comes with the Java compiler already installed.

## 1. Install the Java Compiler

- a. Go to [www.oracle.com/technetwork/java/javase/downloads](http://www.oracle.com/technetwork/java/javase/downloads)
- b. Locate the list of Java SDKs and Tools
- c. Choose Java SE Development Kit 8 Downloads
- d. You will have to select your platform (e.g. Windows) and then click the link to download a file.
- e. Run the downloaded file, and follow the prompts.

## 2. Installing Netbeans

- a. Go to the list of Java SDKs and Tools on [www.oracle.com](http://www.oracle.com)
- b. Locate the choose NetBeans IDE.
- c. You will have to select your platform (e.g. Windows) and then click the link to download a file.
- d. Download to C: drive /Program files
- e. Run the downloaded file, and follow the prompts.

## 3. Installing Dr. Java

- a. Create a Dr. Java folder inside Program Files (My Computer > C:drive> Program Files)
- b. Download the Dr. Java file into that folder from [www.drjava.org](http://www.drjava.org)
- c. Create a shortcut if necessary.

## 4. Installing Eclipse

- a. Create an Eclipse folder inside Program Files (My Computer > C:drive> Program Files)
- b. Download Eclipse from <https://eclipse.org/downloads>
- c. Create a shortcut to your desktop if necessary.

## 5. Managing Your Own folders

For each unit, you should create a package (folder) for exercises and another for the final assignment.

# DrJava (an IDE)

The tool that we use to compile a Java source file into a Java class file is called a **compiler**. I recommend using an **Integrated Development Environment (IDE)**. An IDE helps you write, compile, run, and debug programs. I recommend using DrJava (from <http://DrJava.org>). It is free and easy to use. I particularly like the **interactions pane** (the bottom area) which lets you try out Java code without having to create a class first.

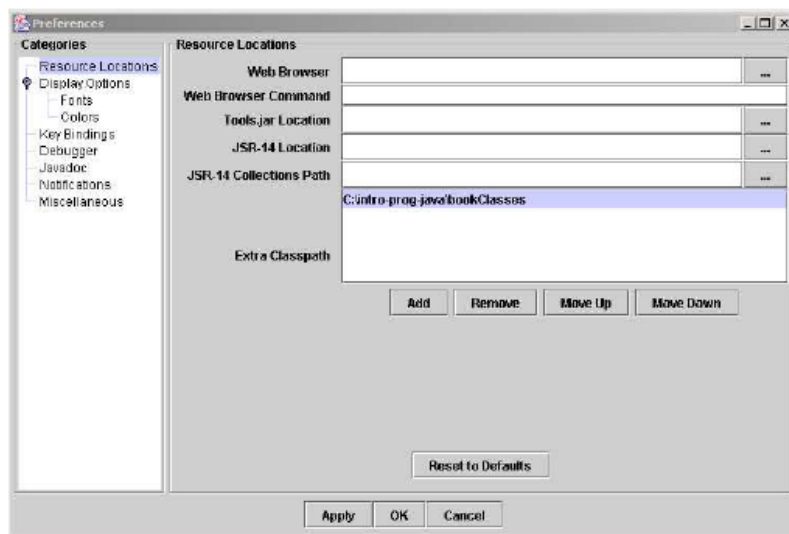


FIGURE 2.1: DrJava Preferences Window

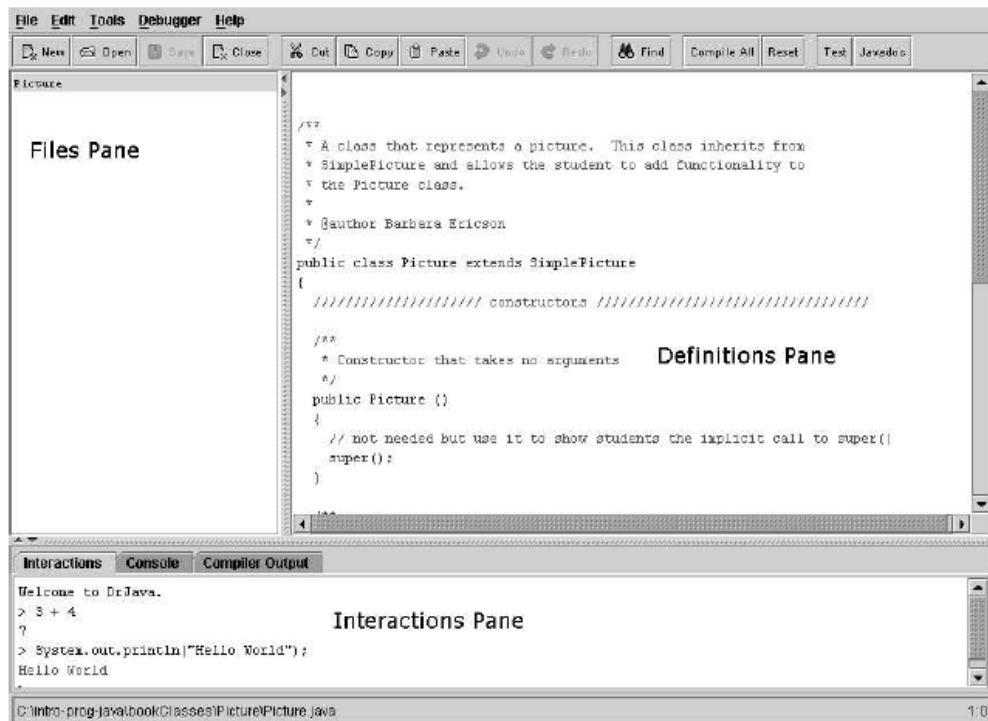


FIGURE 2.3: DrJava (with annotations)

