



Java Programming Tools

- ❖ **DrJava**
 - ◆ Light weight Integrated Development Environment
 - ◆ More Features than a text editor
 - ◆ Freeware available at <http://drjava.org>
 - ◆ Can Install to C: Drive or a USB drive
- ❖ **Software Development Kit**
 - ◆ J2SE(TM) Development Kit 5.0 Update 6 (Ver 1.5)
 - ◆ Download [jdk-1_5_0_06-windows-i586-p.exe](#) (60 MBytes)
 - ◆ Latest version available at java.sun.com
- ❖ **Java Documentation**
 - ◆ Java 5.0 API (Application Programmers Interface)
 - ◆ Download [jdk-1_5_0_06-doc.zip](#) (44 MBytes)
 - ◆ Latest version available at java.sun.com
 - ◆ Unzip to C:\Program Files\Java\jdk1.5.0_06 folder
 - ◆ **doc** sub-folder will be created

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The Subfolders of the SDK

Directory	Description
bin	The Java development tools and commands
demo	Sample applications and applets with source code
include	C header files for combining C code with Java code
jre	Root directory of Java Runtime Environment (JRE)
lib	Libraries of code required by the development tools
docs	The on-line documentation that you can download

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Setting PATH Variable

- ❖ **On Windows XP**
 1. Start | Control Panel | System
 2. Select Advanced Tab
 3. Click Environmental Variables Command Button
 4. Edit Path Variable by inserting the path to the **bin** folder of your Java installation
 5. Each path designator ends with a semicolon
 6. Click OK and OK
 7. Restart Computer

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First Java Program

- ❖ Using Notepad type this code and save to USB drive F:\cs229\prg\
with filename Example.java

```
public class Example
{
    // Java program begins with a call to main()
    public static void main(String args[ ])
    {
        System.out.println(" Java drives the Web.\n");
    }
}
```

- ❖ Open console window by going to
 - ◆ Start | Programs | Accessories | Command Prompt
 - ◆ Enter `javac Example.java` to compile file
 - ◆ Enter `java Example` to run program