



CS260 Intro to Java & Android

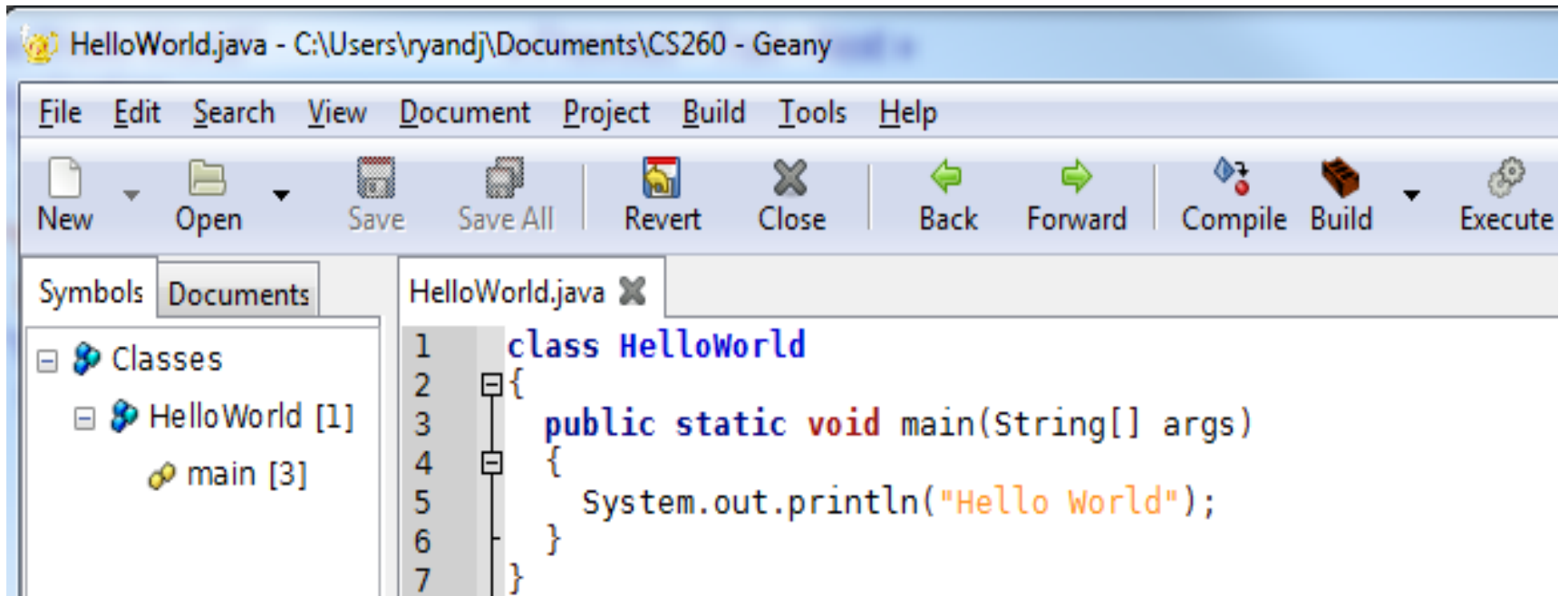
01.JDK Intro

Winter 2014

Java Tutorials

- The main sources of Java documentation will be the Java Tutorials
 - <http://download.oracle.com/javase/tutorial/>
 - Read Trails Covering the Basics
 - Getting Started
 - Learning the Java Language
 - Essential Java Classes
 - Collections
 - <http://www.tutorialspoint.com/java/index.htm>
 - Read Java Basics and Java Object Oriented

Hello World Using Geany



The screenshot shows the Geany IDE interface. The title bar reads "HelloWorld.java - C:\Users\ryandj\Documents\CS260 - Geany". The menu bar includes File, Edit, Search, View, Document, Project, Build, Tools, and Help. The toolbar contains icons for New, Open, Save, Save All, Revert, Close, Back, Forward, Compile, Build, and Execute. The left sidebar shows a "Symbols" pane with a "Documents" tab, displaying a tree view of classes: "Classes" containing "HelloWorld [1]" which contains "main [3]". The main editor window shows the following Java code:

```
1 class HelloWorld
2 {
3     public static void main(String[] args)
4     {
5         System.out.println("Hello World");
6     }
7 }
```

Java Development Environment

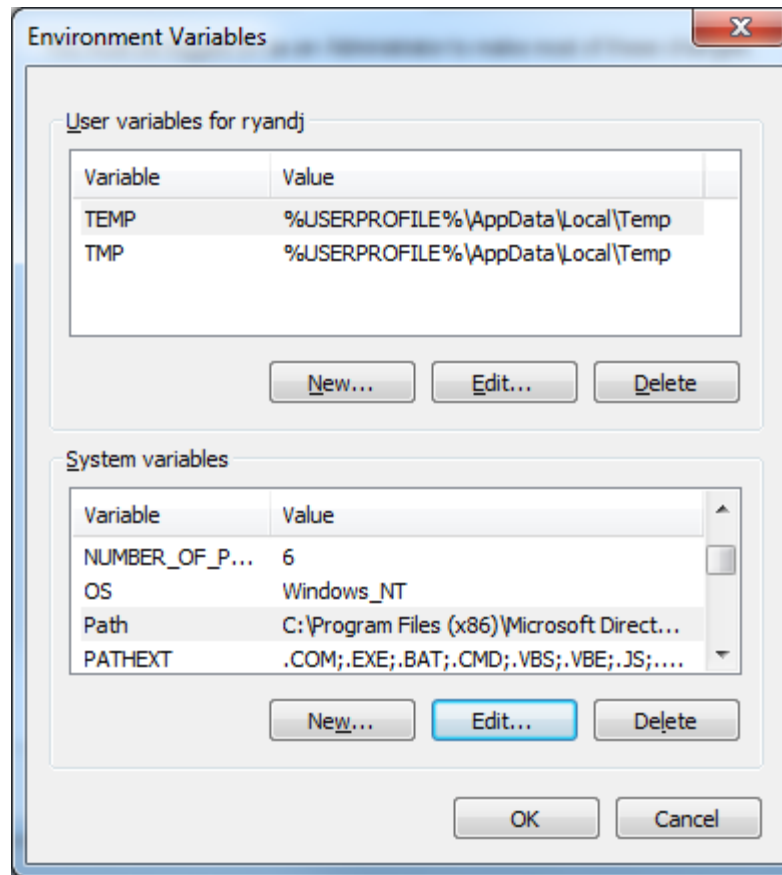
- JRE (Java Runtime Environment)
- JDK (Java Development Kit)
- Text Editor (e.g. NotePad or Geany)
- IDE (e.g. Eclipse)

- JRE & JDK can be found at <http://www.oracle.com/technetwork/java/javase/downloads/index.html>

Java Development Environment

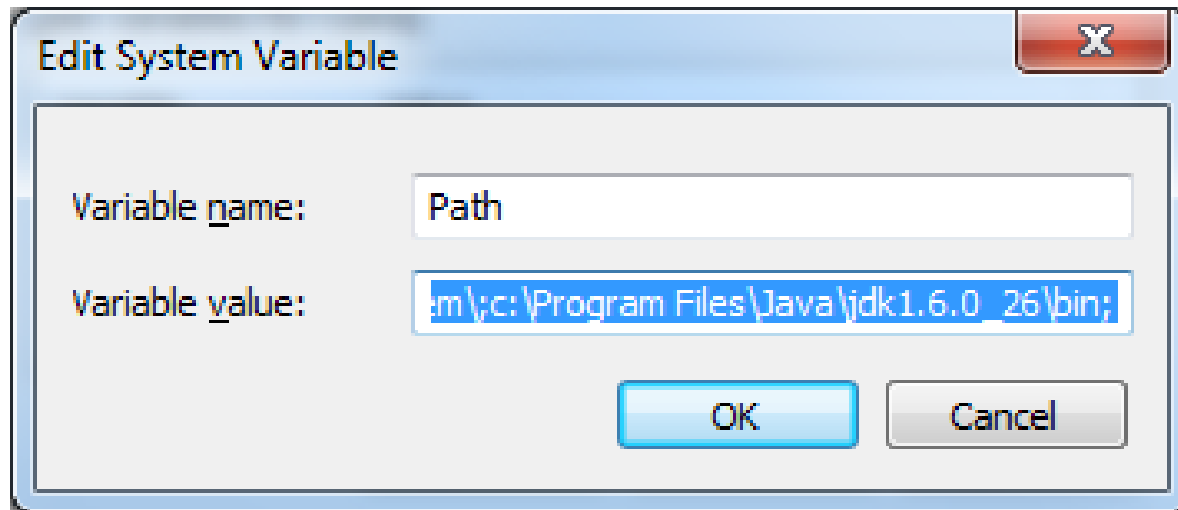
- After installing the JRE & JDK, add the path of the compiler (javac) & interpreter (java) to your PATH
- Control Panel->System & Security->Change Settings->Advanced->Environment Variables
- Also, set JAVA_HOME to the location of the JDK. In my case it's c:\Program Files\Java\jdk1.7.0_21

Environment Variables



PATH Variable

- 64-bit version is Program Files
- 32-bit version is Program Files (x86)



Compile & Execute HelloWorld

