CS260 Intro to Java & Android
01.JDK Intro

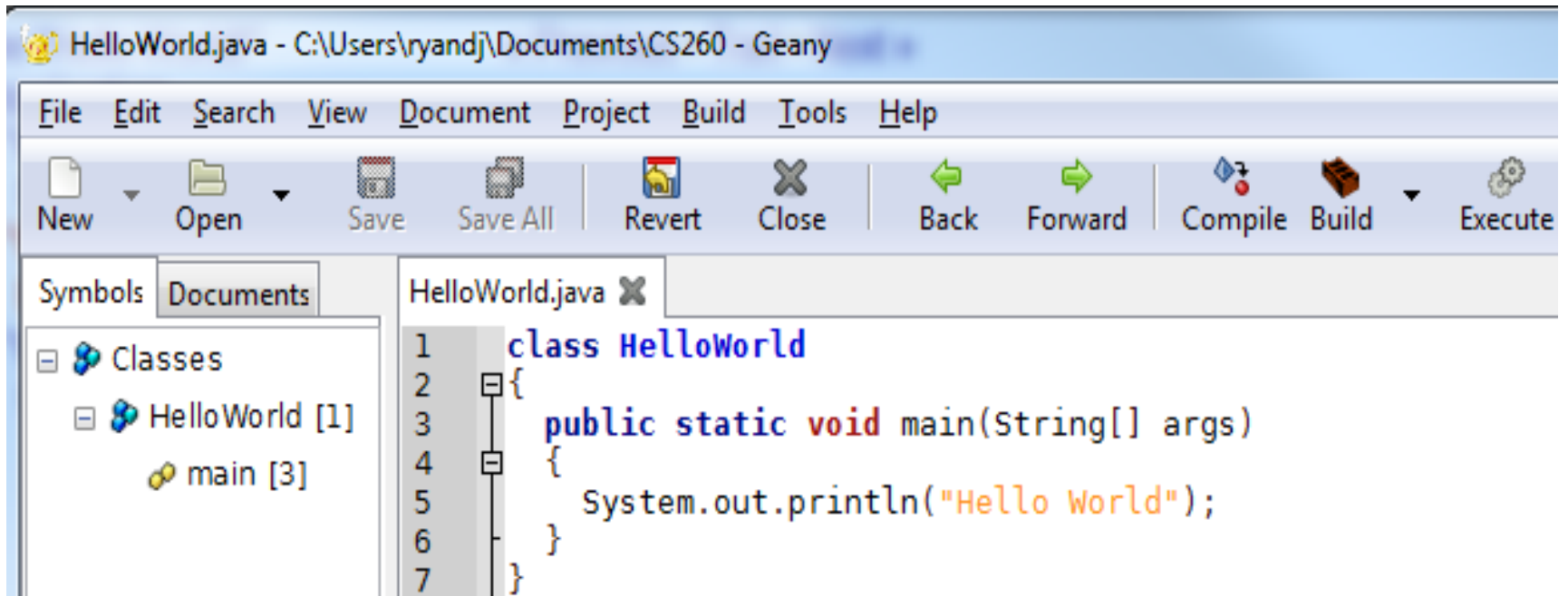Fall 2011

Java Tutorials

- The main source 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

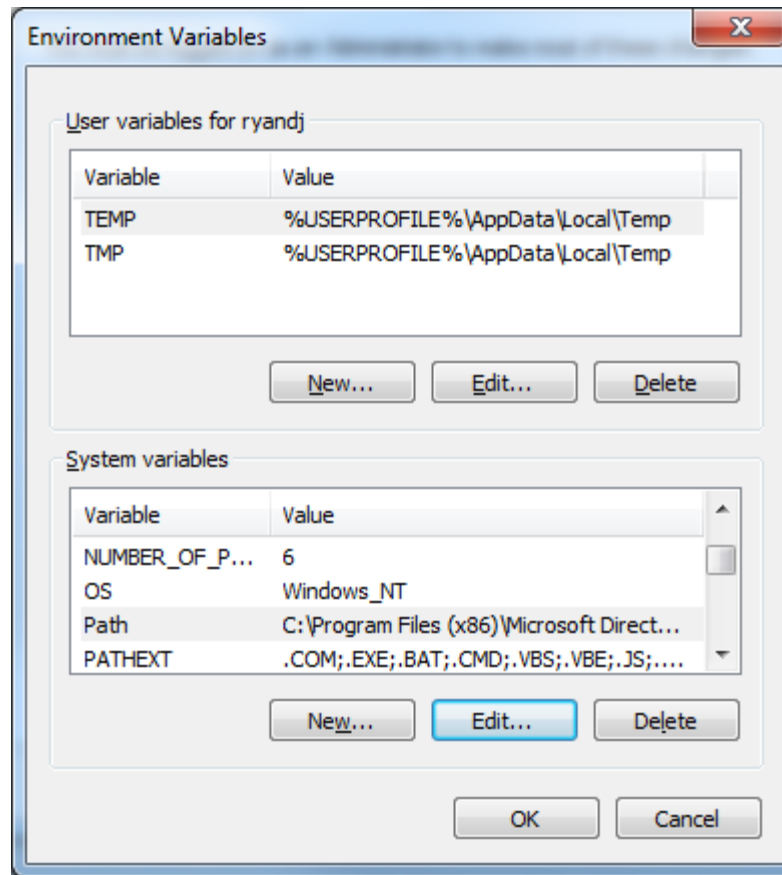 ➢ Collections

Hello World Using Geany

Java Development Environment

- JRE (Java Runtime Environment)

- JDK (Java Development Kit

- Text Editor (e.g. NotePad or Geany)

- 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
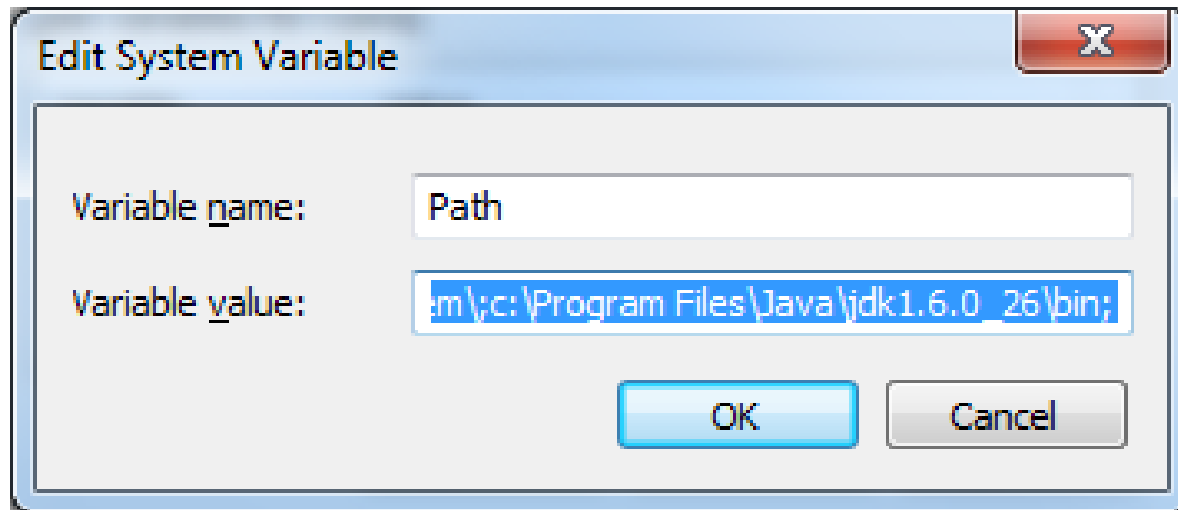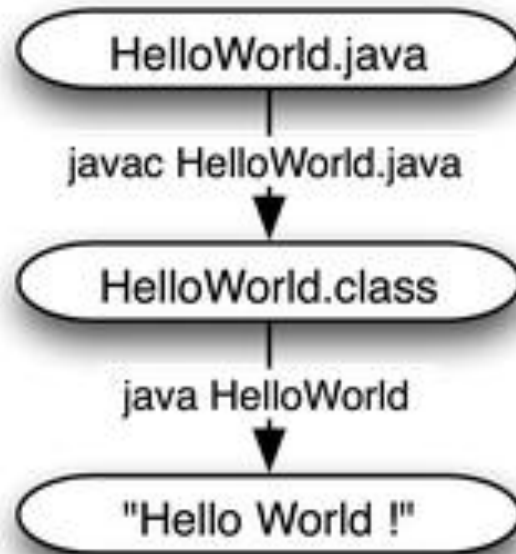
Envirnoment Variables

PATH Variable

- 64-bit version is Program Files

- 32-bit version is Program Files (x86)

Compile & Execute HelloWorld

HelloWorld

- Problem #1:
  - Using Geany type in the HelloWorld program
  - Select Compile
  - Select Execute
- Problem #2:
  - Change Hello World to Hello Yourname
  - Open a command window
  - Change directory to HelloWorld.java
  - Type javac HelloWorld.java
  - Type java HelloWorld

Rational

- Let's take a look at the Java coding standards
- Problem #3
  - Grab the two files Rational.java and RationalDriver.java from the CS260-01 Public folder on Turing
  - Compile Rational.java
  - Compile and execute RationalDriver.java
  - Let's go over the Java code
  - Discuss Javadoc tags
  - You can create Java Documentation for both classes using the Javadoc tool