

Introduction to Programming

with Java, for Beginners

Intro to API (javadocs)

Java Library

- Java provides a huge library or collection of useful programs
 - We use documentation from Java version 5
<http://java.sun.com/j2se/1.5.0/docs/api/>
- A gold mine of well-tested code that can save you countless hours of development time
- This huge library information is provided in **API** - Application Programming Interface
 - Also known as **javadocs**

1

Reading Javadocs

- On left panel, click on the **class** you want to the information on
- The large "main" panel on the right will display the documentation for that class
 - Class' **Interface**: the public face that it shows the world

2

Class' Interface

- Interface provides information on the following:
 - **Field Summary**
 - Has information about public variables (instance or static)
 - **Constructor and Method summaries**
 - Describe the public constructors and methods
 - **Method Detail**
 - Provides detail on method inputs (parameter(s))and output (return type) and some extra details
- Note: private variables and methods are not a part of its interface
 - As they are to be known publicly

3

What is JAR ?

- A "jar", or Java archive, is simply a file that contains a number of precompiled (.class) files
 - It can be coerced to hold other files such music, images files
- Making java archives is good way porting your java program from one machine to another

4