

Midterm Study Guide: IST 209

Chapters 1-2
6/7 March 2008

When Java was created

What makes Java “unique”

What is a programming language?

Types of programming languages

Phases in the Software Development Lifecycle

What are syntax rules?

What is a variable?

How to create/identify a Java source code file

How to identify a Java object code file

How to encapsulate a block of code

How to end a java statement

Case sensitivity in Java

How to print output from your Java program

Escape sequences

String & arithmetic operators & precedence

Identifier syntax and naming conventions

Primitive data types

Differences between the numeric data types

Literal usage

Scientific notation

The assignment operator(s)

Variable declaration & initialization

Constant definition

Finding the number of characters in a String object

Comment syntax

End-user input options

- **Scanner**
- **JOptionPane**

Parsing end-user input

Note: a “cheat sheet” will be provided which lists the class libraries, default classes, and methods which have been covered in class and which may be needed for the exam. You should know what each of the methods is used for and any arguments passed into the methods.