Midterm Study Guide: IST 209

Chapters 1-4
17/18 October 2007

When Java was created

Who created Java

What are syntax rules?

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

Identifier syntax and naming conventions

Primitive data types

Differences between the numeric data types

Literal usage

The assignment operator(s)

Variable declaration & initialization

Constant definition

Finding the number of characters in a String object

Comment syntax

End-user input options

Parsing end-user input

Programming If-else if-else constructs

Switch constructs

Nested if statements

Logical and comparison operators

Operator precedence

Short circuiting

Unary increment & decrement operators

Programming while loops

Programming for loops

While, do-while, and for loops

Break & continue statements

Examples of and problems with infinite loops

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 quiz. You should know what each of the methods is used for and any arguments passed into the methods.