

Chapter 1 Laboratory Exercise

Prelab Assignment

Your instructor should provide a handout describing the system you are expected to use to complete this exercise.

1. What type of computer will you be using?
2. Which operating system will you be using?
3. Which version of Java are you using?
4. Will you be using an integrated development environment or separate editor, compiler, and interpreter programs (e.g. jdk)?
5. If you are using a separate editor, which one will you be using?

4. Entering, Compiling, and Running a Java Application

- a. Download the CSLib from the textbook website to your computer's hard drive.
- b. Type the following Java application program into your text editor and save the final program to your hard disk using the file name ***HitWall.java***

```
import CSLib.*;

public class HelloWorld {
    // Exterminate a rodent.
    // Author: E. Baranowicz, September 8, 2000

    public static void main(String[] args) {
        TrickMouse morte;

        morte = new TrickMouse();
        morte.hitWall();
    }
}
```

- c. After you have saved the program to disk try to compile it using the *javac* compiler or the compile menu item in your integrated environment.
- d. Use your editor to correct any typing errors identified by the compiler.
- e. After you have removed all the syntax errors in your program, try to run ***HitWall*** using the ***java*** interpreter program or the execute menu item in your integrated environment.
- f. What did the output look like?

Chapter 1 Laboratory Exercise

Postlab Questions

1. What was the most difficult part of this lab?
2. Write an algorithm for drawing your initials.
3. Why do you think that it would be advisable to make a back up copy of your programming work on a floppy diskette after every work session?