# Lab 1, Part A - Entering and Running JAVA programs using a Text Editor and Command Prompt - Worksheet

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The more errors you make, the quicker you will become an expert Java programmer. Each error can teach you an important lesson. So … let’s make a few errors by experimenting with the HelloPrinter program. Introduce the following changes (a – d) into your source code file and record the message, your correction, and final output in the table at the end of this document.

a) Try deleting the only semicolon. What happens when you compile? Fix the error.

b) Try deleting the left brace under the main method and compiling your program. What happens? Fix the error.

c) Delete the first left brace in the program. What happens when you compile? Fix the program.

d) Change main to Main. Does the program compile? What happens if you run the program from the console window? What is the problem?

e) Change the file name to Helloprinter.java without changing any of the source code. What happens when you compile? Fix the program.

f) Add blank lines, spaces, and tabs in various locations throughout your source code file without changing any of the text or file name. What happens when you compile?

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| --- | --- | --- | --- |
| **Error Introduced** | **Compiler/Error Message** | **Correction** | **Output** |
| **a** | Line 5: “;” expected. | Add “;” after”(Hello, World)”. | Hello, World |
| **b** | Line 3: “;” expected  Line 7: class, interface, or enum expected | Add “{“ | Hello,World |
| **c** | Line 1: “{“ expected | Add “{“ | Hello, World |
| **d** | Static Error: This class does not have a static void main method accepting String[]. | Change to “main” | Hello, World |
| **e** | Line 1: class HelloPrinter is public, should be declared in a file named HelloPrinter.java | Change file name to “HelloPrinter.java” | Hello, World |
| **f** | No error | No correction | Hello,World |