COLBY COLLEGE
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CS115 **Allen B. Downey**
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Homework 1: Java compilation and execution

Reading: Chapter 1.

The purpose of this assignment is to allow you to practice using CodeWarrior, which is the Java interactive development environment (IDE) we will be using in this class. Also, you will practice writing and debugging small Java programs.

In general, I will hand out assignments during lab time on Wednesdays and they will be due the following Wednesday at the beginning of lab time. You should start the assignment and get as much done during lab time as you can. Some people may finish some assignments during the lab, but most people will probably have to finish on their own time during the week.

Follow the tutorial

1. Read the tutorial provided by Prof. Congdon and follow the instructions to create a new project, change the name of the project, and edit the program.

Edit the program

1. Read Section 1.5 of the textbook so you understand what each line of the program does.
2. Add a comment line to the program (anywhere) and recompile it. Run the program again. The new comment should not affect the execution of the program.
3. Add a second print statement that prints a second message after the "Hello, world!". Something witty like, "How are you?"
4. Run the program again.

Make mistakes

It is a good idea to commit as many errors as you can think of with this program, so that you see what error messages the compiler produces. Sometimes the compiler will tell you exactly what is wrong, and all you have to do is fix it. Sometimes, though, the compiler will produce wildly misleading messages. You will develop a sense for when you can trust the compiler and when you have to figure things out yourself.

1. Remove one of the open squiggly-braces.
2. Remove one of the close squiggly-braces.

3. Instead of `main`, write `mian`.
4. Remove the word `static`.
5. Remove the word `public`.
6. Remove the word `System`.
7. Replace `println` with `pintln`.
8. Replace `println` with `print`.
9. Delete one of the parentheses. Add an extra one.

   How many of the syntax rules of Java can you guess just by the error messages from the compiler? If you are ever unsure whether something is legal in Java or not, ask the compiler!

What to hand in

1. There is nothing to hand in for this lab.