Lab 1-Drill

29 August 2019

Most weeks there will be a short "drill" assignment leading up to the actual lab. I will expect you to work on it before lab, but it's okay if you get stuck on something—that means that when you get to the lab you'll be ready to ask a question on how to proceed. (If you do finish the drill, that's cool too, of course.)

The drill for this lab is below. Come to lab on Tuesday either with it completed or with a specific written question in your notebook identifying which drill step you got to and what about it you're stuck on.

1. First, open up the repl.it assignment "Lab 1 drill". In the pane on the left, write an instruction to print a *prompt* that tells the user to "Please type your first name: ". See §2.3.1 in the book for a model on how this might work.

2. Before continuing to the next step, try running the program. Fix any errors. In fact, *always* do that before moving on to the next step. At this point, the program should just prints the prompt and immediately stop—because that's all you've told it to do.

3. After the prompt, write two lines to define a variable to hold the name, and to actually read it in from the user. (Remember to test this before going on, by clicking "run". It shouldn't give you any error messages or warnings! Once it's running, it will expect you to type something in the dark pane in the lower left of the window.)

4. Print a line that says hello to the user, like the start of an email or letter, including their name. For instance, if the name the user typed was Lia, your program should at this point produce

   ```
   Hello Lia,
   ```

5. Add another prompt "Please type your age: ", and another variable to contain the response (a number). This second prompt and input should come after the first prompt and input, but *before* printing the greeting. That is, you're inserting extra lines into the middle of your program.

6. At the bottom, after you print the greeting, write a message matching the following format, wishing them a happy birthday:

   ```
   I hear you turn 4 today.
   Happy birthday!
   ```

   The age printed should be the age they typed in.

7. Confirm that the final order of the pieces is: prompt and input the first name; then prompt and input the age; then print the greeting; then print the rest of the message.

   If you've got all that, go ahead and run against my tests and submit!