

Assignment 1

Due. Sept. 23 (Tuesday), 23:59.

1. Type in the `HelloProgram.java` program exactly as it appears in the text book Figure 2-1, p. 25, and get it working. Add your name as a signature to the lower right corner.
2. The following program was written without comments or instructions to the user, except for a couple of input prompts:

```
import acm.program.*;

public class MyProgram extends ConsoleProgram {
    public void run() {
        double b = readDouble("Enter b: ");
        double h = readDouble("Enter h: ");
        double a = (b * h) / 2;
        println("a = " + a);
    }
}
```

Read through the program and figure out what it is doing. What result is it calculating? Rewrite this program so it is easier to understand, both for the user and for the programmer who must modify the program in future.

3. Draw a ring of your favorite color at the center of the graphic window. You may make your drawing look nice, for example, add a shadow of the ring.