

Lab Assignment 2 - 01/22/2009

Name: _____

Section: 8:00 11:00 12:30 6:30

Problem 1: “Hello World!”

In this problem, we will write the first program anyone ever writes.

1. Write a program in a file `hello.c` that displays “Hello World” in the command line.
2. Compile using the command `gcc -o hello hello.c`
3. Run the program using the command `./hello`
4. Show the instructor your output.

Problem 2: Variables

Copy `hello.c` to `variables.c`. You will rewrite the `main()` method to perform the following actions:

1. Store the integer value 12 in a variable called `inches_per_foot`.
2. Store the character ‘A’ in a variable called `myGrade`.
3. Store the decimal value 2.718282 in a variable called `euler`.
4. Store the decimal value 3.141592653589793 in a variable called `PI` (requires precision!).
5. Output the value of these variables in order using `printf`, in the following format:

`variablename = value`

Be sure to put each expression on a new line. Write the `printf` placeholders you used for each variable in the table below.

Variable	Placeholder
<code>inches_per_foot</code>	
<code>myGrade</code>	
<code>euler</code>	
<code>PI</code>	

Compile your program to the executable `variables`.

Q: What command did you use to compile the program?

Answer:

Run your program, and show the output to the instructor.