

**CSC 3210 – Assignment #1a**  
**Summer 2013**  
**due Thursday, June 13<sup>th</sup>, 11:59 pm**

**Objective:** To become familiar with the Unix system and assembly code.

**Requirements:**

1. Type the given “Hello, World!” program, written in C, to a file called *hello.c*
2. Use the gcc compiler to convert the C code to an assembly program called *hello.s*
3. Edit the *hello.s* file to change the output string to  
    “Hello world my name is ----- \n” (fill in your name)  
    (make sure to edit the .s file and not the .c file)
4. Rename the file *hello.s* to *lastname\_01.s* – this should be your last name
5. Compile the edited *lastname\_01.s* and create an executable file called *lastname\_01*
6. Submit the assembly program, *lastname\_01.s* to the TA’s account using the submission instructions
7. Make sure to include comments in your code that include your name, assignment number, class, date, etc.

**Source code:**

```
#include <stdio.h>

main()
{    printf(“Hello world \n”);
}
```

**Extra instructions:**

1. passwd ; allows you to change password
2. nano filename ; allows you to edit specified file, and creates it if it does not exist
3. gcc -S file.c ; converts C code to assembly
4. gcc -o file file.s ; compiles assembly code and creates executable
5. ./file ; executes file
6. cp file1 file2 ; copies file1 to file2
7. for ssh – host name is solar.cs.gsu.edu, username and password given in class
8. handin hw1 lastname\_01.s ; submit your assembly code by deadline