

CSC 215

Procedural Programming with C

Lab #0

Getting familiar with Linux, gedit, and gcc

- We want to create a folder to save all of our CSC 215 Lab files in **/home/[Username]/CSC215**. Where [Username] is your username.

- 1- Open the Terminal.
- 2- Type **pwd** to show your current directory.
- 3- Type **ls** to show the files and directories in your current directory.
- 4- Type **cd [Directory]** to move to that directory. Where [Directory] is the directory you want to move to.
- 5- Once you have reached **/home/[Username]/** directory. Type **mkdir CSC215** to create a directory named CSC215.
- 6- Now, move into the new directory.
- 7- If you want, you can make a new directory here and name it **Lab0**.

- New, we want to write, compile and run our first C code.

- 1- Inside the directory of your choice, type **gedit Hello.c** to open the text editor “gedit” and start working with the file Hello.c.
- 2- Copy the following code into Hello.c

```
#include<stdio.h>
main()
{
    printf("Hello World\n");
}
```

- 3- Save the file.
- 4- To compile the code type **gcc -o Hello Hello.c**
- 5- To run the code type **./Hello**

- Check “Most common commands” pdf file on LMS for more commands that you can use on Linux or Windows.

- Write a program that computes and prints the area and the perimeter of a rectangle which has width = 20 and length = 10.

- Relevant formula:

- $Area = length * width$
 - $Perimeter = 2 * (length + width)$

- Output:

```
Rectangle Area = 200
Rectangle Perimeter = 60
```

- Show the program to you lab instructor before you leave.
- In case you couldn't complete the program, you can submit it through LMS.

SUBMIT POLICY: -

- The Deadline is: September 15, 2014 right before the Lab starts.
- Late submissions will not be accepted.
- Email submissions will not be accepted, unless I give you permission.