

# CSC3320 System Level Programming Lab

## Assignment 2 - Part 1 (In-lab)

Question A): What is the working directory? Please write down the full path.

The working directory is : /home/vsrikakulapu1

(3) List the content in current working directory:  
ls

(4) Create a new folder "csc3320" in your home directory:  
mkdir csc3320

(5) Repeat step (3).

- Question B): What is the difference in the output compared to the output from step (3) ? Describe what the difference is.

The output after step (5) is **csc3320** but in step (3) there is nothing in the output. This is because in step (3), no directories exist but as we created "csc3320" in step (4), we get the output as csc3320 in step (5).

(6) Navigate to "csc3320":  
cd csc3320

(7) Display current working directory.

- Question C): Which command should be typed?

We should use the command **pwd** to display the current working directory.

(8) Create a new folder called "lab2" in csc3320.

- Question D): Which command should be typed?

We should use the command **mkdir lab2** to create a new folder called "lab2" in csc3320.

(9) Go to the newly created "lab2" folder.

- Question E): Which command should be typed?

We should use the command **cd lab2** to go to the newly created "lab2" folder.

(10) Create a new file called "myLab2.txt" and **put your own name** in this file by typing the command below:

```
cat > myLab2.txt <Enter>
```

```
My name is FirstName LastName <Enter>
```

```
<Ctrl-D>
```

Question F): There is a special character ">" between "cat" and "myLab1.txt". What does this character do? And why we need to press "Ctrl-D" at the end of input?

In order to directly save the typed information into the created file, we use standard output redirection process. The symbol ">" does that job by directly sending the typed text into the file "myLab1.txt". Ctrl-D is used to stop inputting text into the file and moves us out of the text file.

(11) Display the content in "myLab2.txt" with line numbers by typing the command below and press "Enter".

```
cat -n myLab2.txt
```

- Question G): Attach a screenshot of the output.

```
[vsrikakulapu1@gsuad.gsu.edu@snowball csc3320]$ cat > myLab2.txt
My name is Rishitha Sriakulapu
[vsrikakulapu1@gsuad.gsu.edu@snowball csc3320]$ cat -n myLab2.txt
 1 My name is Rishitha Sriakulapu
[vsrikakulapu1@gsuad.gsu.edu@snowball csc3320]$
```

(13) Go to your home directory using the absolute path by typing the command below and press "Enter".

```
cd <Answer from step(2)>
```

- Question H): Then issue the command pwd again. Attach a screenshot of the output.

```
[vsrikakulapu1@gsuad.gsu.edu@snowball csc3320]$ cat > myLab2.txt
My name is Rishitha Sriakulapu
[vsrikakulapu1@gsuad.gsu.edu@snowball csc3320]$ cat -n myLab2.txt
 1 My name is Rishitha Sriakulapu
[vsrikakulapu1@gsuad.gsu.edu@snowball csc3320]$ cd /home/vsrikakulapu1
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$ pwd
/home/vsrikakulapu1
[vsrikakulapu1@gsuad.gsu.edu@snowball ~]$
```