

Lab Exercise 1

08/10/2021

In order to gain more hands-on experience with the linux shell, following exercise is designed. It is required to perform this exercise and submit your work to Blackboard by the end of the lab session. You are required to perform all operations using the linux shell (using the linuxPool).

1. Download the exercise contents from the blackboard.
 - You need to copy the contents to the linuxPool machines by using "scp" command on your **local machine**.

```
1 scp -r FOLDER_NAME USERNAME@linuxpool.ku.edu.tr :
```

- To download a folder from the linuxPool machines to your local machine, you can use scp again by changing the source and target address (you need to run this on your **local machine**).

```
1 scp -r USERNAME@linuxpool.ku.edu.tr :/PATH/TO/FOLDER_NAME .
```

2. Open hello.c file in your terminal and change the "printf" function to print "Welcome to the COMP201 Fall 2021".
3. Then compile the hello.c code with "\$make install" command.
4. At this stage, if you run the "\$make run" command, you will get a permission denied error because the "hello" executable file doesn't have execution permission and you get the following prompt.

```
1 ./hello
2 make: execvp: ./hello: Permission denied
3 make: *** [makefile:6: run] Error 127
```

5. Please confirm that "hello" file doesn't have execution permission for your user by "\$ls -l" command and then give the appropriate permission using the "chmod" command and run the code.
6. Make a directory named "doc" in the base working directory(beside scripts, src, and resources folders) and another directory under doc folder named "info".
7. Use terminal commands to get a list of files inside "resources" folder and use piping and connect output list to another program that searches for directories that has string "add" inside and redirects the results to the file named "info.txt" under info folder.

