Lab 8- Shell Scripting

Task A

- 1. Add the Shebang(#!/bin/bash) as the first line in your script.
- 2. Read a number using the read function.
- 3. Using if statement, check if the input number is greater than 10, then print the message Input number is greater than 10".
- 4. If the number is not greater than 10, then print the message, "Input number is not greater than 10".

```
(liana® kali)-[~]
$ ./ldavi029.sh
Please enter a number:
6
Input number is not greater than 10.

(liana® kali)-[~]
$ ./ldavi029.sh
Please enter a number:
17
Input number is greater than 10.
```

Task B

- 1. Add the Sheband (#!bin/bash) as the first line in your script.
- 2. Reads the name of the file to check for a filename that exists.
- 3. Check whether the given input is a directory or regular file.
- 4. If the input is a directory and exists, then display the message "Directory exists."
- 5. If the input is a regular file, then display the message "It is a regular file, and the file exists" and display the contents of the file.
- 6. If the given input name in step-1 doesn't exist, then create the new file with the given name in step-1.

```
(liana⊗kali)-[~]
$ ./liana029.sh
Enter the filename or directory name:
liana029.sh
It is a regular file, and the file exists.
```

Extra Credit

- 1. Gets the name of the directory as input.
- 2. Your script should check for the validity of the given directory name, if the entered filename is a directory or and pop out an error if an invalid directory name is entered.
- 3. You need to execute your script and test the following directories with your script:

/etc/systemd

/home

a directory that does not exist

```
—(liana⊕kali)-[~]
Please enter the directory name:
/etc/systemd
The directory '/etc/systemd' exists.
Contents of the directory:
journald.conf networkd.conf system
                                               user
logind.conf pstore.conf system.conf user.conf
network sleep.conf timesyncd.conf
network
  —(liana⊕kali)-[~]
_$ ./check_directory.sh
Please enter the directory name:
The directory '/home' exists.
Contents of the directory:
Emma Olivia Sophia cyse_project emma liana olivia sophia
  —(liana⊛kali)-[~]
Please enter the directory name:
desktop
Error: 'desktop' is not a valid directory.
```