

CYSE 270: Linux System for Cybersecurity

Lab 8 – Shell Scripting

(Total 100 Points)

Task A (Correct script (25 points) + result/output after executing the script (25 points)-
Conditional Statement

```
(matthew-f@kali)-[~]
└─$ ./YourScriptName.sh
Enter the number to check
1
1 is not greater than 10

(matthew-f@kali)-[~]
└─$ ./YourScriptName.sh
Enter the number to check
20
20 is greater than 10
```

```
#!/bin/bash
# TODO
echo Enter the number to check
read number

if [ "$number" -gt 10 ]
then
    echo "$number" is greater than 10
else
    echo "$number" is not greater than 10
fi
~
```

Task B (Correct script (25 points) + result/output after executing the script (25 points) - Shell
Script to Create a new file

```
(matthew-f@kali)-[~]
└─$ ./scriptname.sh
Enter the name of a file or directory
banana.txt
Checking: banana.txt
banana.txt is a regular file, and the file exists
banana.txt

(matthew-f@kali)-[~]
└─$ ./scriptname.sh
Enter the name of a file or directory
hello
Checking: hello

(matthew-f@kali)-[~]
└─$ ls
apple.txt      banana.txt      data            Desktop         Downloads       file1           groupfile.txt  mfox014.hash  Pictures        practive_folder s
apricot.txt   copyright_cyse270. demo.txt       display.sh     error_log.txt  file1.txt,     hello          Music          practice_delete.txt Public          s
archive.tar   cyse270.txt     DEMO.txt       Documents      examplefiles   file2          input.txt      names.txt     practice.txt   rockyou.txt    T

(matthew-f@kali)-[~]
└─$ ./scriptname.sh
Enter the name of a file or directory
Desktop/
Checking: Desktop/
Desktop/ is a directory
```

```
#!/bin/bash
#scriptname.sh
echo Enter the name of a file or directory
read filename

echo "Checking: $filename"

if [ -d "$filename" ]
then
    echo "$filename is a directory"
elif [ -f "$filename" ]
then
    echo "$filename is a regular file, and the file exists"
    ls $filename
else
    touch $filename
fi
~
```