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CYSE 270: Linux System for Cybersecurity
Lab 8 – Shell Scripting

Task A: Conditional Statement

Write a shell script using nano or vi editor (eg, vi scriptname.sh) like below, that performs the following task:

1. Add the Shebang (#!/bin/bash) as the first line in your script.

2. Read a number using 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".

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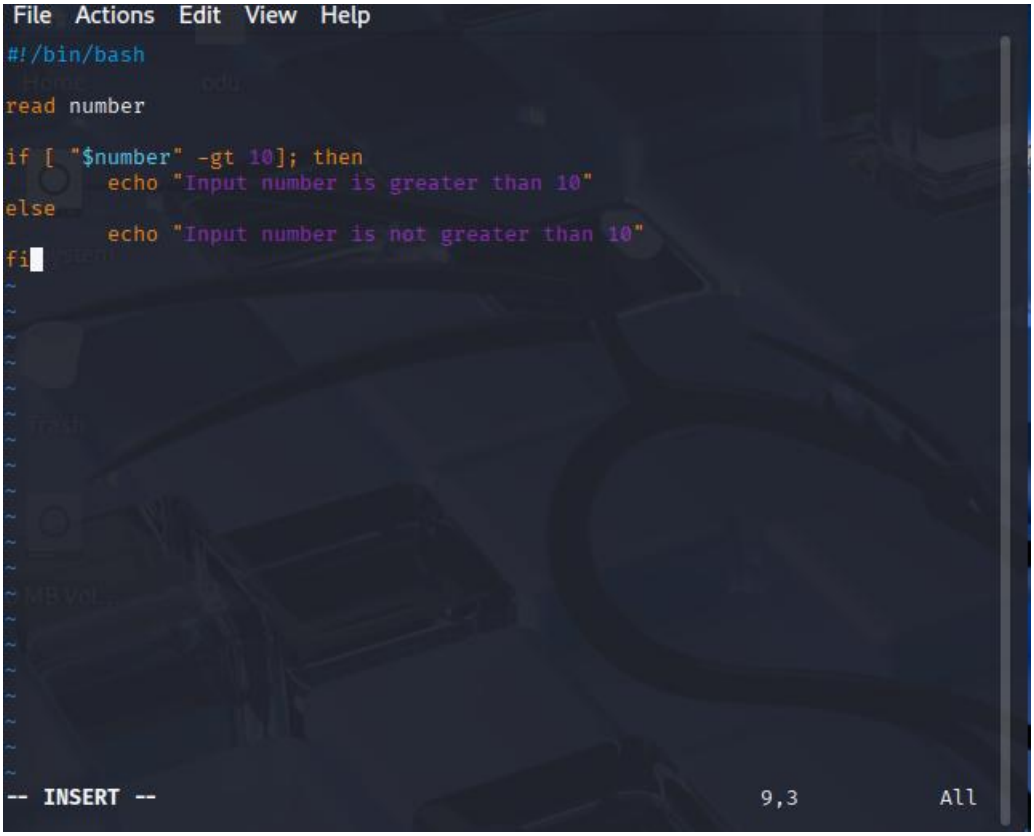

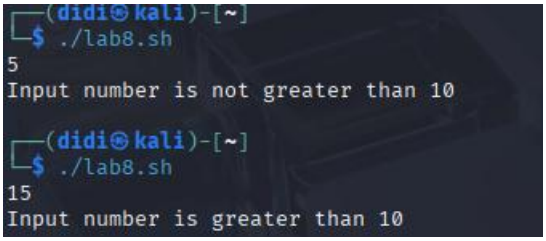

Task B Shell Script to Create a new file

Write a shell script using nano or vi editor (eg, nano scriptname.sh) like below, that performs the following task:

1. Add the Shebang (#!/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.

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6. If the given input name in step-1 doesn't exist, then create the new file with the given name in step-1.

```
#!/bin/bash

echo "Enter the name of the file or directory:"
read filename

if [ -d "$filename" ]; then
        echo "Directory exist"
elif [ -f "$filename" ]; then
        echo "It is a regular file, and the file exists"
        cat "$filename"
else
        echo "File does not exist. Creating the file ... "
        touch "$filename"
        echo "Didi Caceres" > "$filename"
        echo "File created and name added to the file. Here is the content:"
        cat "$filename"
fi
~
~
~
```

```
┌──(didi㉿kali)-[~]
└─$ ./lab8b.sh
Enter the name of the file or directory:
Dog
File does not exist. Creating the file ...
File created and name added to the file. Here is the content:
Didi Caceres

┌──(didi㉿kali)-[~]
└─$
```

```
┌──(didi㉿kali)-[~]
└─$ ./lab8b.sh
Enter the name of the file or directory:
Dog
File does not exist. Creating the file ...
File created and name added to the file. Here is the content:
Didi Caceres

┌──(didi㉿kali)-[~]
└─$ ./lab8b.sh
Enter the name of the file or directory:
fruit.txt
It is a regular file, and the file exists
lime
lemon
cherry
 strawberry
grape
pineapple
```