

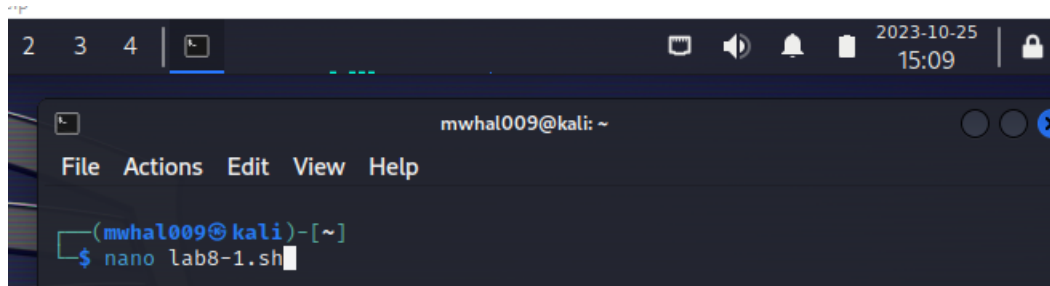
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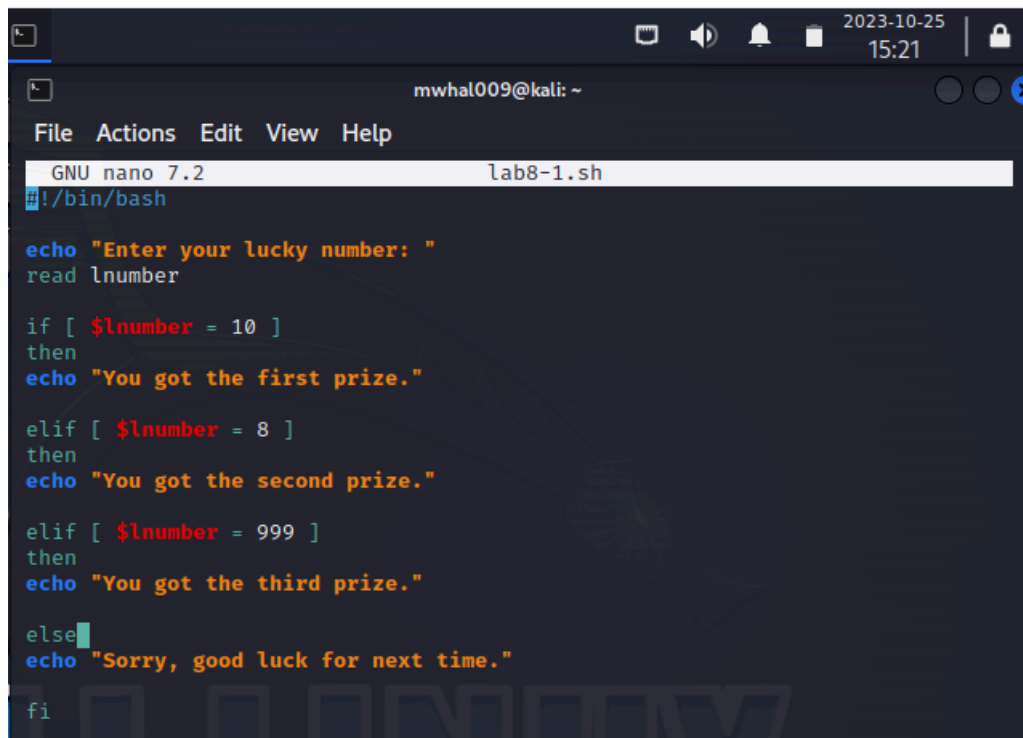
CYSE 270: Linux System for Cybersecurity

Lab 8 – Shell Scripting

Task-A: Write a shell script lab8-1.sh using vi/nano using **if-elif-else** condition



A terminal window on a Kali Linux system. The window title is "mwahal009@kali: ~". The menu bar shows "File", "Actions", "Edit", "View", and "Help". The prompt is "(mwahal009@kali)-[~]". The user has entered the command "\$ nano lab8-1.sh" and the cursor is at the end of the command.



A terminal window showing the contents of the shell script "lab8-1.sh" edited in nano. The window title is "mwahal009@kali: ~". The menu bar shows "File", "Actions", "Edit", "View", and "Help". The status bar at the top indicates "GNU nano 7.2" and "lab8-1.sh". The script content is as follows:

```
#!/bin/bash

echo "Enter your lucky number: "
read lnumber

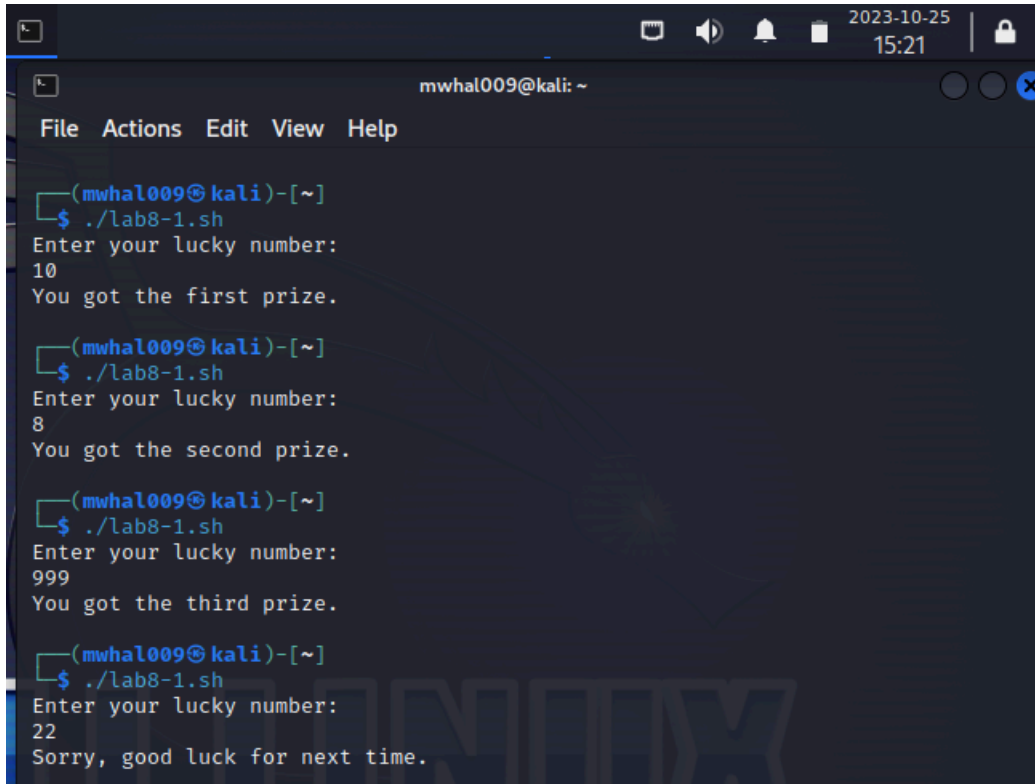
if [ $lnumber = 10 ]
then
echo "You got the first prize."

elif [ $lnumber = 8 ]
then
echo "You got the second prize."

elif [ $lnumber = 999 ]
then
echo "You got the third prize."

else
echo "Sorry, good luck for next time."

fi
```



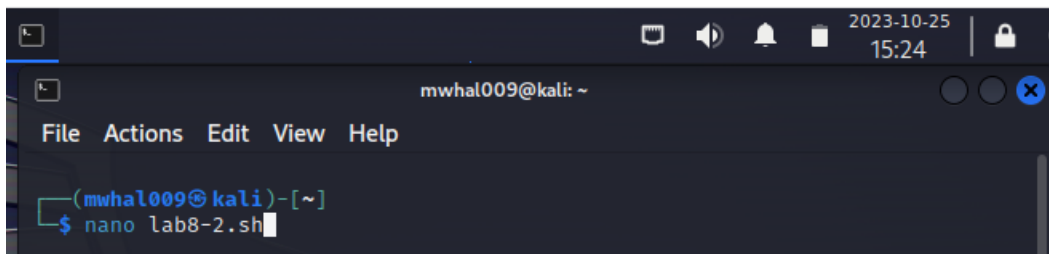
```
(mwhal009@kali)-[~]
$ ./lab8-1.sh
Enter your lucky number:
10
You got the first prize.

(mwhal009@kali)-[~]
$ ./lab8-1.sh
Enter your lucky number:
8
You got the second prize.

(mwhal009@kali)-[~]
$ ./lab8-1.sh
Enter your lucky number:
999
You got the third prize.

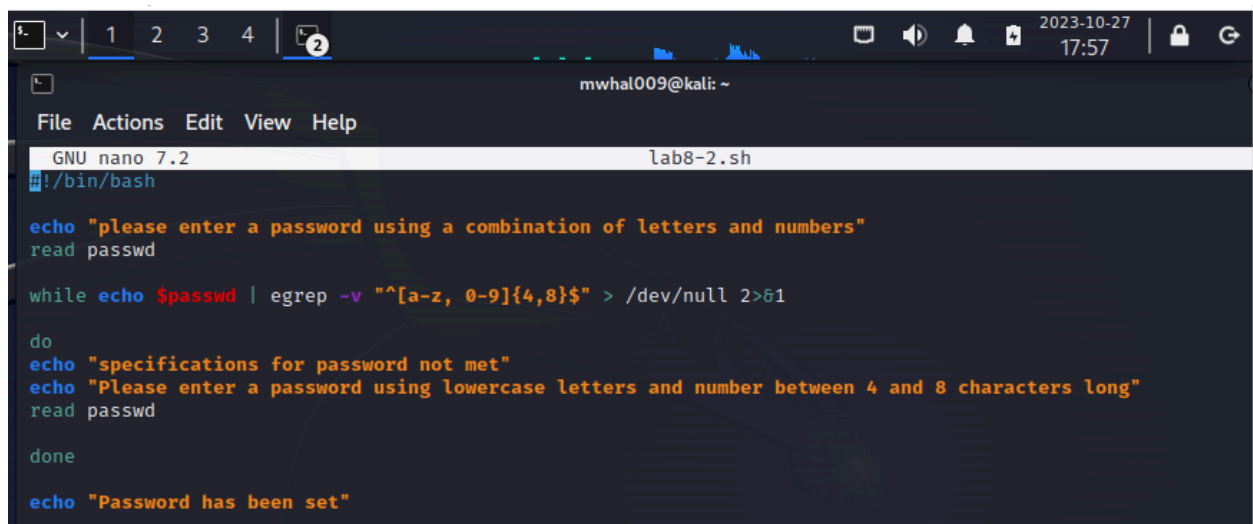
(mwhal009@kali)-[~]
$ ./lab8-1.sh
Enter your lucky number:
22
Sorry, good luck for next time.
```

Task-B: Write a shell script lab8-2.sh using vi/nano to validate your input by using egrep command.



```
(mwhal009@kali)-[~]
$ nano lab8-2.sh
```

Creating Script 1/2/3



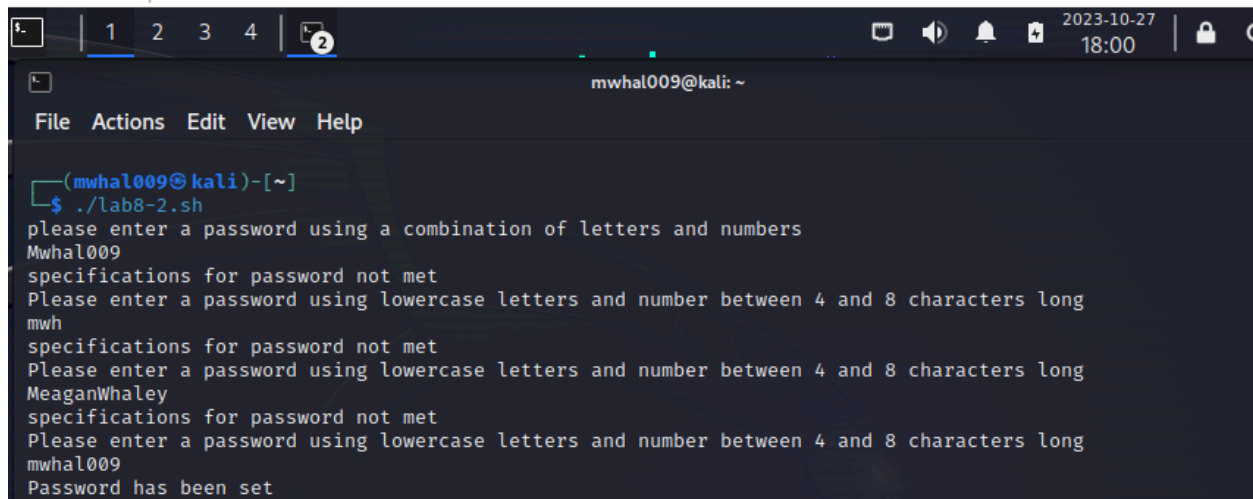
```
GNU nano 7.2 lab8-2.sh
#!/bin/bash

echo "please enter a password using a combination of letters and numbers"
read passwd

while echo $passwd | egrep -v "^[a-z, 0-9]{4,8}$" > /dev/null 2>&1
do
echo "specifications for password not met"
echo "Please enter a password using lowercase letters and number between 4 and 8 characters long"
read passwd
done

echo "Password has been set"
```

Testing Script 1/2/3/4



```
(mwhal009@kali)-[~]
$ ./lab8-2.sh
please enter a password using a combination of letters and numbers
Mwhal009
specifications for password not met
Please enter a password using lowercase letters and number between 4 and 8 characters long
mwh
specifications for password not met
Please enter a password using lowercase letters and number between 4 and 8 characters long
MeaganWhaley
specifications for password not met
Please enter a password using lowercase letters and number between 4 and 8 characters long
mwhal009
Password has been set
```