

Old Dominion University

CYSE 270 Linux System for Cybersecurity

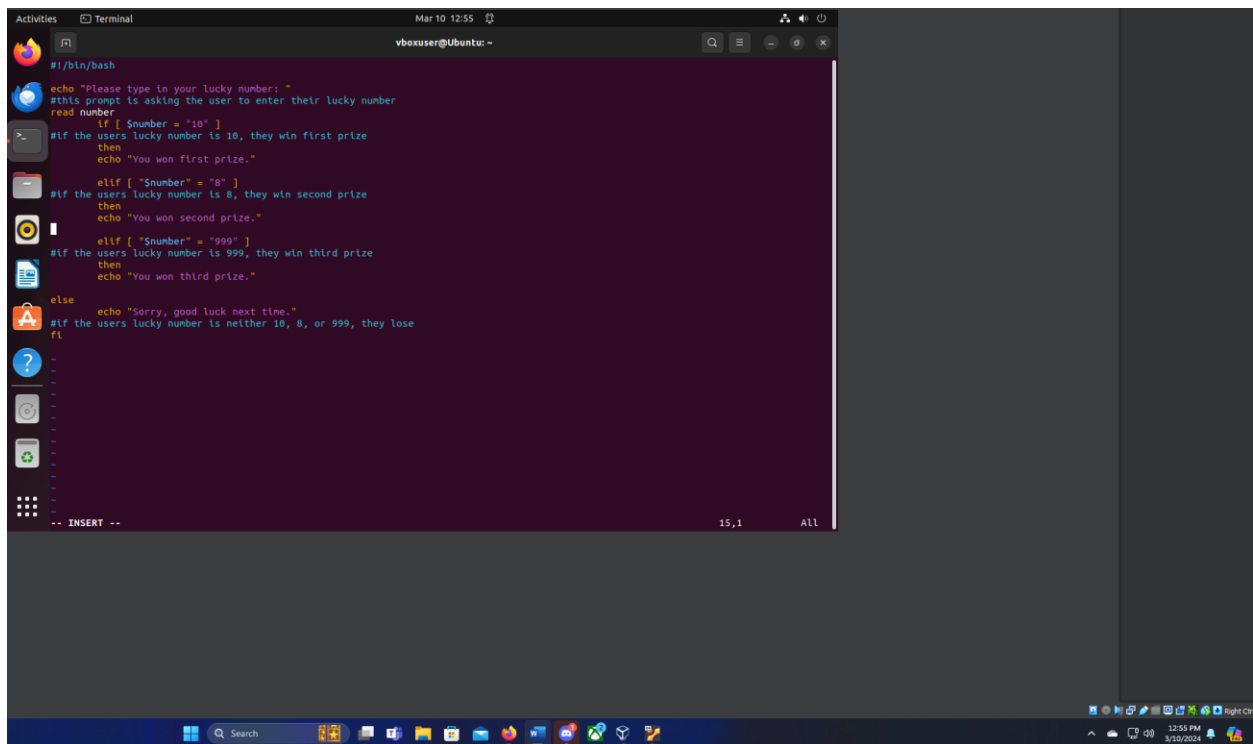
Assignment #8

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Task A

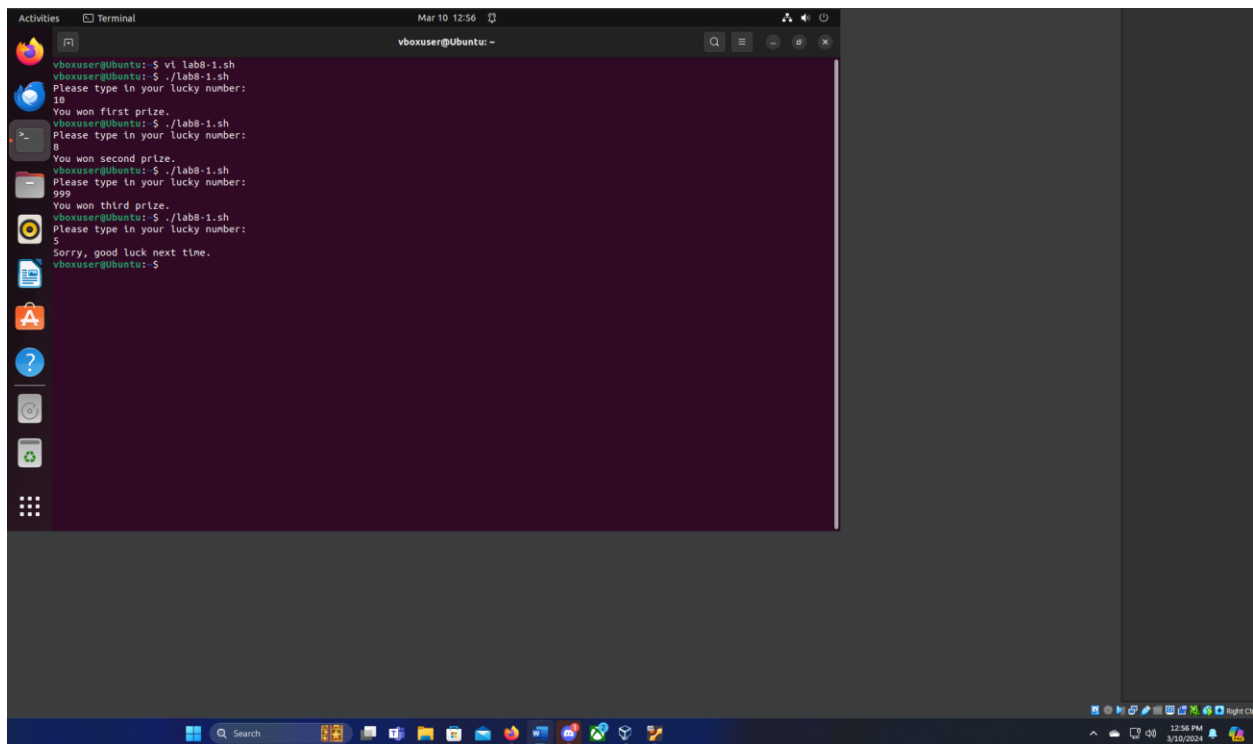
1. Prompt the user to input his/her lucky number.
2. If the input number is equal to 10, then print the message "You got the first prize."
3. If the input number is equal to 8, then print the message "You got the second prize."
4. If the input number is equal to 999, then print the message "You got the third prize."
5. If none of the above conditions are true, then print the message, "Sorry, good luck next time."



The screenshot shows a terminal window titled "Terminal" with the date and time "Mar 10 12:55". The prompt is "vboxuser@Ubuntu: ~". The script is as follows:

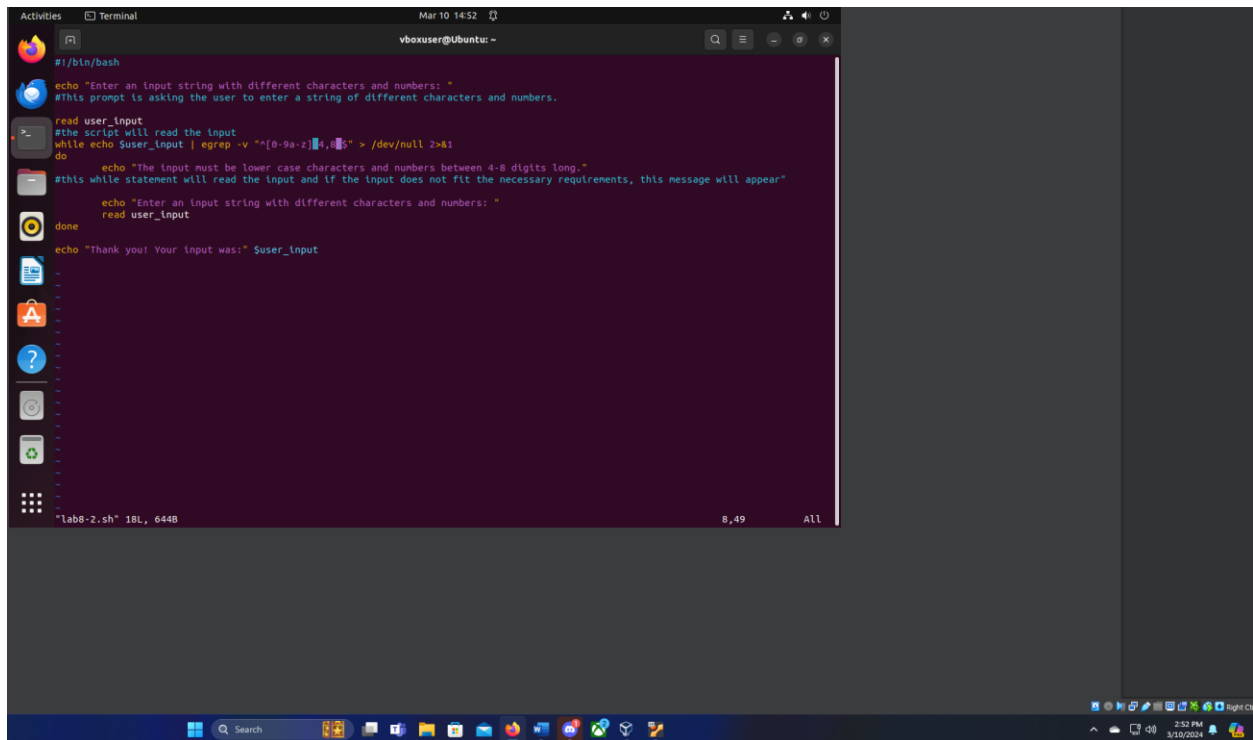
```
#!/bin/bash
echo "Please type in your lucky number: "
#this prompt is asking the user to enter their lucky number
read number
if [ "$number" = "10" ]
then
echo "You won first prize."
elif [ "$number" = "8" ]
then
echo "You won second prize."
elif [ "$number" = "999" ]
then
echo "You won third prize."
else
echo "Sorry, good luck next time."
fi
if the users lucky number is neither 10, 8, or 999, they lose
fi
```

The terminal window has a dark purple background. The left sidebar shows various application icons. The bottom status bar shows the system clock as 12:55 PM on 3/10/2024.



Task B

1. Prompt the user to provide the input which should consists of characters and numbers both, and check if the following requirements are satisfied:
2. Only lower-case latter [a-z] and number character [0-9] are allowed.
3. The length must be between 4-8 digits.
 - a. Screenshot is on next page.



```
#!/bin/bash
echo "Enter an input string with different characters and numbers: "
#This prompt is asking the user to enter a string of different characters and numbers.
read user_input
#the script will read the input
while echo $user_input | egrep -v "^[0-9a-z]{4,8}$" > /dev/null 2>&1
do
    echo "The input must be lower case characters and numbers between 4-8 digits long."
    #this while statement will read the input and if the input does not fit the necessary requirements, this message will appear"
    echo "Enter an input string with different characters and numbers: "
    read user_input
done
echo "Thank you! Your input was:" $user_input
```

Test your script with the following examples:

1. Your input with on upper case.
2. The input having a length of less than 4 digits.
3. The input having a length larger than 8 digits.
4. Your input in lower case and should have a length between 4 and 8 digits.
 - a. Screenshot is on final page.

