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Professor Vatsa

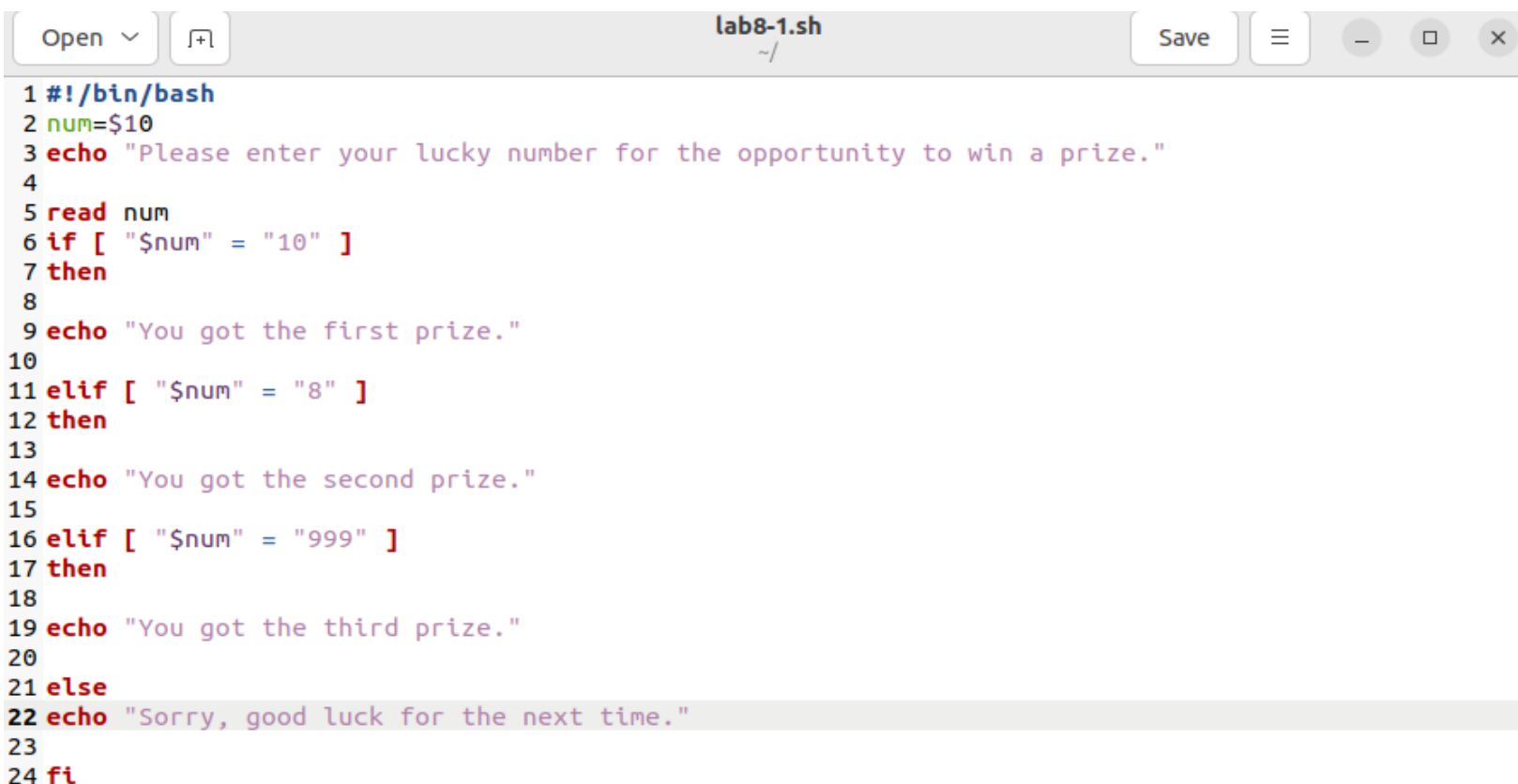
CYSE 270

Assignment #8

Task-A: Write a shell script lab8-1.sh using vi/nano using if- elif-else condition, to complete the following steps:

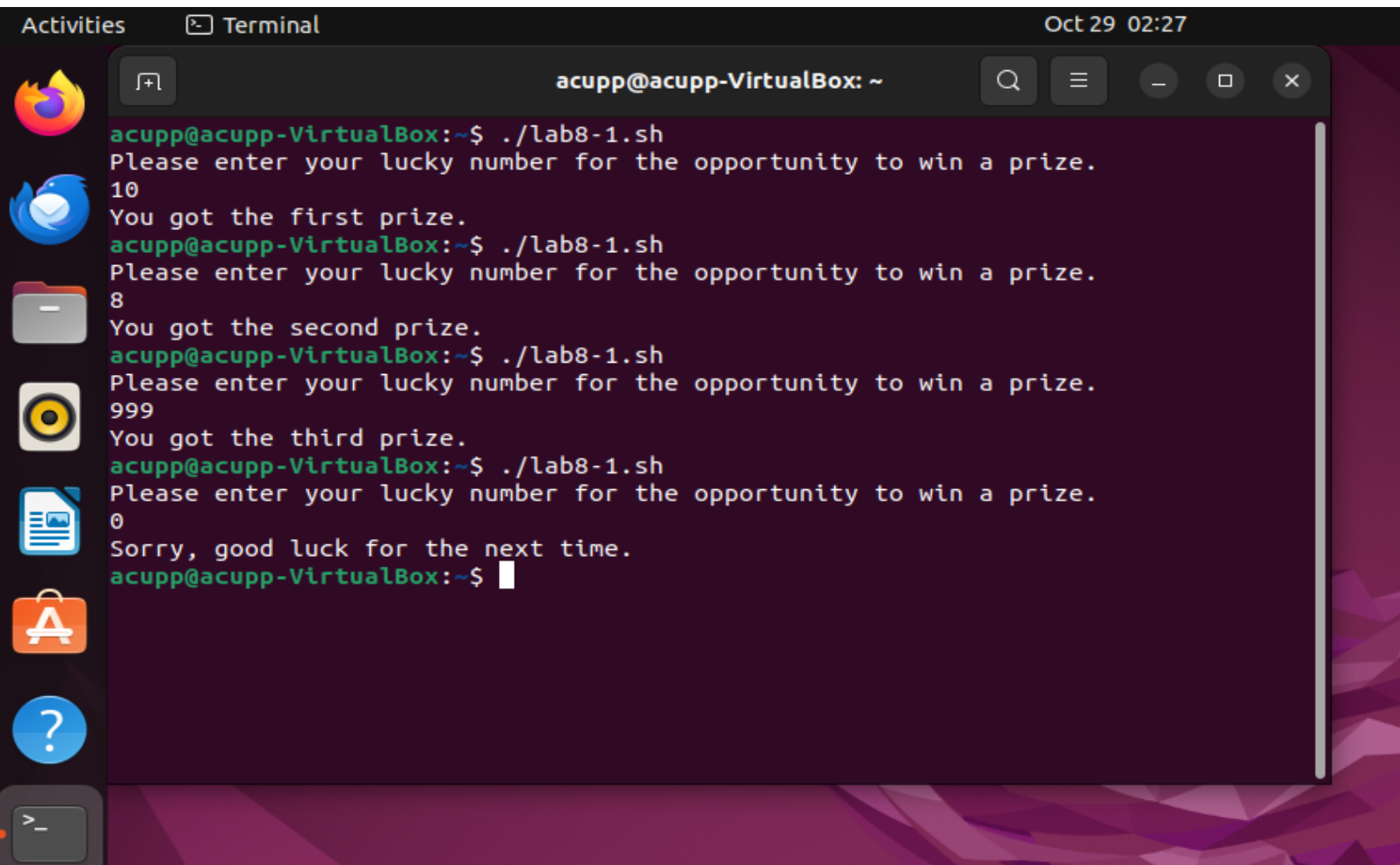
1. Prompt the user to input his/her lucky number.
2. If the input number is equal to 10, then print the message "You got the first prize."
3. If the input number is equal to 8, then print the message – "You got the second prize."
4. If the input number is equal to 999, then print the message – "You got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

Shell Script:



```
1 #!/bin/bash
2 num=$10
3 echo "Please enter your lucky number for the opportunity to win a prize."
4
5 read num
6 if [ "$num" = "10" ]
7 then
8
9 echo "You got the first prize."
10
11 elif [ "$num" = "8" ]
12 then
13
14 echo "You got the second prize."
15
16 elif [ "$num" = "999" ]
17 then
18
19 echo "You got the third prize."
20
21 else
22 echo "Sorry, good luck for the next time."
23
24 fi
```

Output:



```
acupp@acupp-VirtualBox:~$ ./lab8-1.sh
Please enter your lucky number for the opportunity to win a prize.
10
You got the first prize.
acupp@acupp-VirtualBox:~$ ./lab8-1.sh
Please enter your lucky number for the opportunity to win a prize.
8
You got the second prize.
acupp@acupp-VirtualBox:~$ ./lab8-1.sh
Please enter your lucky number for the opportunity to win a prize.
999
You got the third prize.
acupp@acupp-VirtualBox:~$ ./lab8-1.sh
Please enter your lucky number for the opportunity to win a prize.
0
Sorry, good luck for the next time.
acupp@acupp-VirtualBox:~$
```

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

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 letter [a-z] and numeric character [0-9] are allowed.

3. The length must be between 4 to 8 digits

Test your script with the following examples:

1. Your input with one upper case

2. The input having length less than 4 digits.

3. The input having length larger than 8 digits.

4. Your input in lower case and should have length between 4 to 8.

Shell Script:

```
Open  lab8-2.sh  Save  -  □  ×

1 #!/bin/bash
2 echo "Enter your input. It should only have lower case letters [a-z] or numeric characters. The
  input must also be between 4 to 8 characters."
3 read input
4
5 while echo $input | egrep -v "^[a-z]{4,8}$" | egrep -v "[0-9]{4,8}$"
6 do
7     echo "You must enter a valid input. It must be lower-case and between 4-8 characters
  only."
8 read -p "Try again: " input
9
10 done
11
12 echo "Thank you! Your MIDAS ID is: $input"
```

Output:

```
Activities  Terminal  Oct 29 01:56

acupp@acupp-VirtualBox: ~

acupp@acupp-VirtualBox:~$ ./lab8-2.sh
Enter your input. It should only have lower case letters [a-z] or numeric characters. The input must also be between 4 to 8 characters.
Acupp
Acupp
You must enter a valid input. It must be lower-case and between 4-8 characters only.
Try again: acu
acu
You must enter a valid input. It must be lower-case and between 4-8 characters only.
Try again: acuppppppppppp
acuppppppppppp
You must enter a valid input. It must be lower-case and between 4-8 characters only.
Try again: acupp
Thank you! Your MIDAS ID is: acupp
acupp@acupp-VirtualBox:~$
```