

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, 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.”

Example Output:

```
└─$ ./test1.sh
Enter your lucky number
10
You got 1st prize

(svatsa@kali)-[~]
└─$ ./test1.sh
Enter your lucky number
7
Sorry, try for the next time
```



```
(svatsa@kali)-[~]
└─$ ./lab8-2.sh
Enter your input string with some character and number:
sv0
You must enter a valid input It must be lowercase characetrns and/or numbers and the length should be b
etwen 4-8!
Try again:
svatsa123456
You must enter a valid input It must be lowercase characetrns and/or numbers and the length should be b
etwen 4-8!
Try again:
sv001
Thank you! Your MIDAS ID is: sv001

(svatsa@kali)-[~]
└─$
```

Script and Outputs:

```
#!/bin/bash

# Prompt user for input
read -p "Enter a string consisting of lowercase letters and numbers (4 to 8 characters): " userInput

# Use egrep to validate input based on regex pattern
if echo "$userInput" | egrep -q '^[a-z0-9]{4,8}$'; then
    echo "Input is valid. Your MIDAS ID is pmacm001"
else
    echo "Invalid input. Please enter lowercase letters and numbers only, with a length between 4 to 8 characters."
fi
~

(pmacm001@kali-270)-[~]
└─$ ./lab8-2.sh
Enter a string consisting of lowercase letters and numbers (4 to 8 characters): Pmacm991
Invalid input. Please enter lowercase letters and numbers only, with a length between 4 to 8 characters.

(pmacm001@kali-270)-[~]
└─$ ./lab8-2.sh
Enter a string consisting of lowercase letters and numbers (4 to 8 characters): pmacm000000001
Invalid input. Please enter lowercase letters and numbers only, with a length between 4 to 8 characters.

(pmacm001@kali-270)-[~]
└─$ ./lab8-2.sh
Enter a string consisting of lowercase letters and numbers (4 to 8 characters): pmacm001
Input is valid. Your MIDAS ID is pmacm001.
```