

# Laura Adam - CTS-120-841-Lab Module 13

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- In this lab you will create shell script, answer a few questions, and show me the results.
- The script will be worth 15 points
- Include a screen print of **just the area of the screen with the desired result** (not the whole screen) in the table cell below the question, unless otherwise instructed.
  - *Reminder: Use the **Shift-Ctrl-Prtscr shortcut** & select just the area that you want.*
- Save the lab as a PDF, naming it:
  - ***FirstName\_Lastname-Module#-Lab.pdf***

Create a script that:

1. Asks the user to enter a number between 1 and 10
2. If the number is between 1 & 5 print:
  - a. The # you entered (*their Entry*) is between 1 & 5
3. If the number is between 6 & 10 print:
  - a. The # you entered (*their Entry*) is between 6 & 10
4. If the number is NOT between 1 & 10 print:
  - a. The # you entered (*their Entry*) is NOT between 1 & 10"
5. If their entry is not a number (alpha or Special character)print:
  - a. Your entry (*their Entry*) is not a Number
6. Have the script loop 8 times & use these entries to test the script:

0  
2  
5  
6  
10  
11  
A  
%

- Show me the script & the output

```
Script
#!/bin/bash
counter=1

while [ $counter -le 8 ]
do
    read -p "Enter a number between 1 and 10: " number
```

```

if echo $number | egrep '^[0-9]+$' >/dev/null 2>&1
then
    if [ $number -ge 1 -a $number -le 5 ];then
        echo "The # you entered ($number) is between 1 & 5"
    elif [ $number -ge 6 -a $number -le 10 ];then
        echo "The # you entered ($number) is between 6 & 10"
    else
        echo "The # you entered ($number) is NOT between 1 & 10"
    fi
else
    echo "Your entry is not a Number"
fi

((counter++))

done

exit 0

```

Screen print of the results

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[student@localhost ~]$ ./LabMod13.sh
Enter a number between 1 and 10: 0
The # you entered (0) is NOT between 1 & 10
Enter a number between 1 and 10: 2
The # you entered (2) is between 1 & 5
Enter a number between 1 and 10: 5
The # you entered (5) is between 1 & 5
Enter a number between 1 and 10: 6
The # you entered (6) is between 6 & 10
Enter a number between 1 and 10: 10
The # you entered (10) is between 6 & 10
Enter a number between 1 and 10: 11
The # you entered (11) is NOT between 1 & 10
Enter a number between 1 and 10: A
Your entry is not a Number
Enter a number between 1 and 10: %
Your entry is not a Number

```