Linux LECTURE 7 TASK

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```
ekor@ekor-VirtualBox: ~/Desktop/CalcTask
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                                                                            ekor@ekor-VirtualBox: ~/Desktop/CalcTask
 GNU nano 6.2
                                                      mathTest.sh *
# this program is going to give you 5 arithmetic operation questions within specific range you input
# and print out you your final score, if the final score is 5 out of 5,
# the program will print a message that says smart boy
score=0
read -p "Enter the range minimum number " min
read -p "Enter the range maximum number " max
echo "Answer the following question"
while true
for i in {1..5}
    num1=$((RANDOM%($max-$min+1)+$min))
num2=$((RANDOM%($max-$min+1)+$min))
    sum=$((num1+num2))
    read -p "$num1 + $num2 = " answer
         ((score++))
echo "You score is $score"
if [ $score == 5 ];then
    echo "YOU ARE A SMART BOY"
fi
read -p "Do you want to play again [y/n] " again
    score=0
    continue
    exit 0
else
    echo "INVALID INPUT"
    exit 0
fi
done
                                               ^K Cut
                ^O Write Out ^W Where Is
                                                                                              M-U Undo
   Help
                                                               ^T Execute
                                                                               ^C Location
                ^R Read File
                                               ^U Paste
   Exit
                               ^\ Replace
                                                               ^J Justify
                                                                               ^/ Go To Line M-E Redo
```

The output of the previous code

```
ekor@ekor-VirtualBox: ~/Desktop/CalcTask
ekor@ekor-VirtualBox:~/Desktop/CalcTask$ ./mathTest.sh
Enter the range minimum number 1
Enter the range maximum number 20
Answer the following question
1 + 2 = 3
2 + 14 = 16
12 + 7 = 19
18 + 16 = 34
7 + 1 = 8
You score is 5
YOU ARE A SMART BOY
Do you want to play again [y/n] y
19 + 5 = 24
9 + 2 = 11
12 + 20 = 42
8 + 20 = 28
11 + 19 = 34
You score is 3
Do you want to play again [y/n] n
ekor@ekor-VirtualBox:~/Desktop/CalcTask$
```

In the following example:

I used **if** condition with **AND** condition, to simulate the logic gates out put

```
logi
  GNU nano 6.2
                                                                                              ekor@ekor-VirtualBox: ~/Desktop/bash/assignemnt_script
     "Enter the operator (or / and)
read op
                                                                           ekor@ekor-VirtualBox:~/Desktop/bash/assignemnt_script$ ./log
 cho "Enter the first operand"
                                                                           ic.sh
ead o1
                                                                           Enter the operator (or / and)
 cho "Enter the second operand"
                                                                           and
read o2
                                                                           Enter the first operand
msg="$o1 $op $o2 is"
                                                                           Enter the second operand
if [ "$op" == "and" ]; then
    if [ $01 == 1 ] && [ $02 == 1 ]; then
                                                                           1 and 0 is 0
                                                                           ekor@ekor-VirtualBox:~/Desktop/bash/assignemnt_script$ ./log
         echo "$msg 1"
                                                                           Enter the operator (or / and)
        echo "$msg 0"
                                                                           Enter the first operand
elif [ "$op" == "or" ]; then
if [ $o1 == 1 ] || [ $o2 == 1 ]; then
echo "$msg 1"
                                                                           Enter the second operand
                                                                           0
                                                                           1 or 0 is 1
        echo "$msg 0"
                                                                           ekor@ekor-VirtualBox:~/Desktop/bash/assignemnt_script$
    echo "Wrong operator"
                                                                    ^T Exe
^G Help
                 ^O Write Out
                                  ^W Where Is
                                                   ^K Cut
                                  ^\ Replace
                                                   ^U Paste
                 ^R Read File
  Exit
```

A directory within a tree-structured directory

```
ekor@ekor-VirtualBox:~/Desktop$ tree holyMoly/
holyMoly/

1EslamAtia
dir1
text.txt
dir2
file1
eror.txt
pp.txt
tt.sh

3 directories, 5 files
ekor@ekor-VirtualBox:~/Desktop$
```