



Usman Institute of Technology
Department of Computer Science Fall 2022

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Roll no: 20B-115-SE

Course: Operating Systems (CS312)

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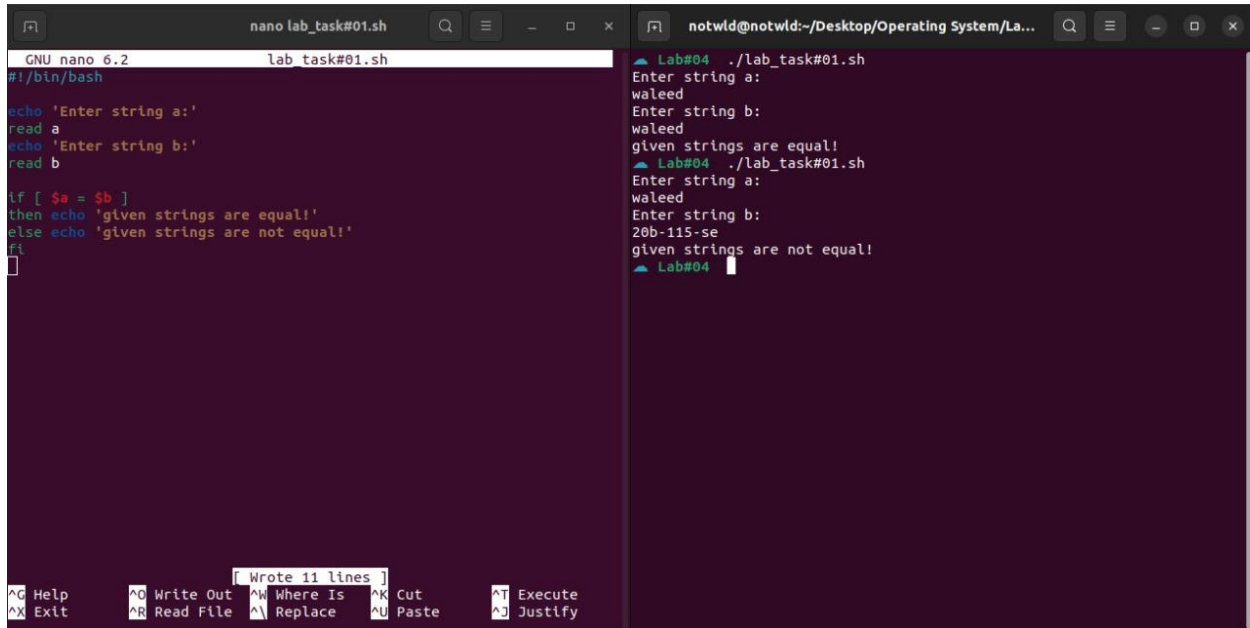
Date: 3-Nov-2022

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20b-115-se
Operating Systems
Lab#04

Lab Tasks:

1. Write a script that takes two strings as input compares them and depending upon the results of the comparison prints the results.

The user may provide input to the Bash script using read var



```
GNU nano 6.2 lab_task#01.sh
#!/bin/bash

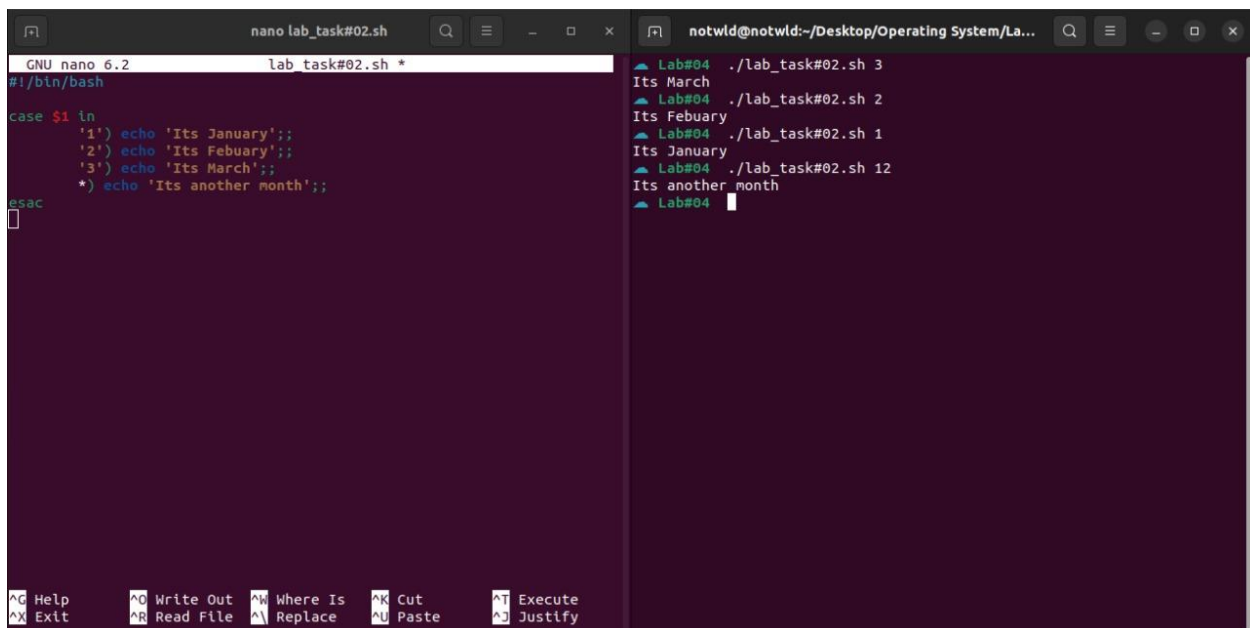
echo 'Enter string a:'
read a
echo 'Enter string b:'
read b

if [ $a = $b ]
then echo 'given strings are equal!'
else echo 'given strings are not equal!'
fi

[ Wrote 11 lines ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify

Lab#04 ./lab_task#01.sh
Enter string a:
waleed
Enter string b:
waleed
given strings are equal!
Lab#04 ./lab_task#01.sh
Enter string a:
waleed
Enter string b:
20b-115-se
given strings are not equal!
Lab#04
```

2. Write a script that takes a number (parameter) from 1-3 as input and uses case to display the name of corresponding month.



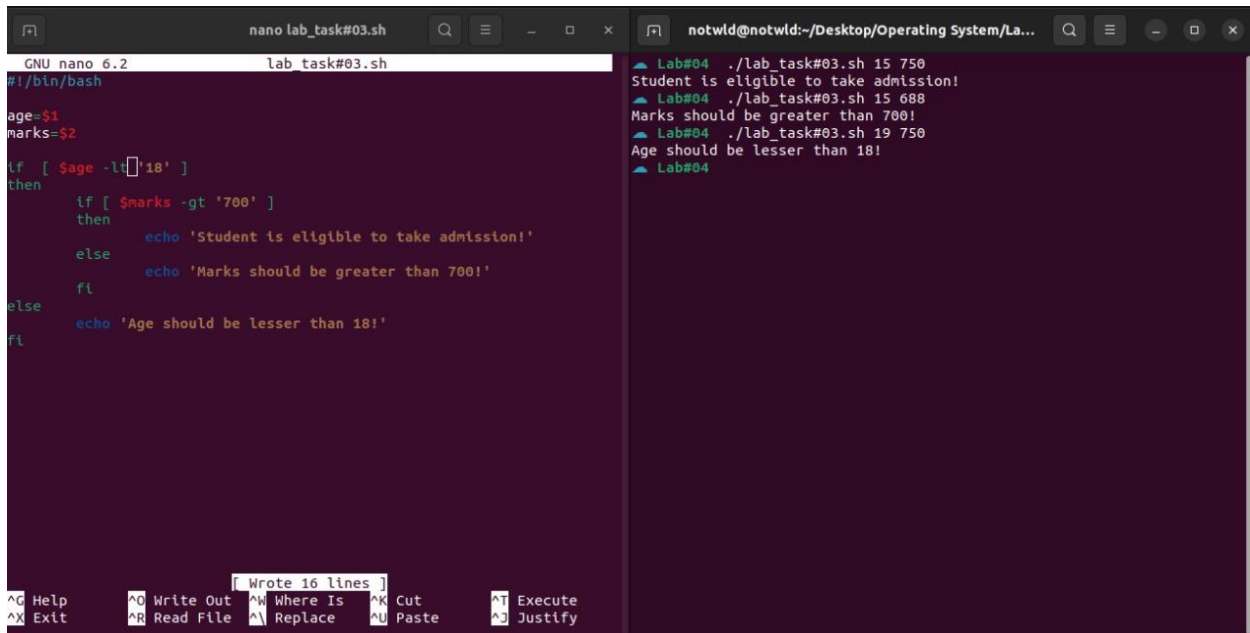
```
GNU nano 6.2 lab_task#02.sh *
#!/bin/bash

case $1 in
  '1') echo 'Its January';;
  '2') echo 'Its Febuary';;
  '3') echo 'Its March';;
  *) echo 'Its another month';;
esac

Lab#04 ./lab_task#02.sh 3
Its March
Lab#04 ./lab_task#02.sh 2
Its Febuary
Lab#04 ./lab_task#02.sh 1
Its January
Lab#04 ./lab_task#02.sh 12
Its another month
Lab#04
```

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3. Write a script that takes command-line argument for age and marks and decide whether student is eligible for admission or not. Eligibility Criteria: Age should be lesser than 18 and marks should be greater than 700



```
GNU nano 6.2 lab_task#03.sh
#!/bin/bash
age=$1
marks=$2

if [ $age -lt '18' ]
then
    if [ $marks -gt '700' ]
    then
        echo 'Student is eligible to take admission!'
    else
        echo 'Marks should be greater than 700!'
    fi
else
    echo 'Age should be lesser than 18!'
fi

Wrote 16 lines
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute
^X Exit      ^R Read File ^_ Replace   ^U Paste     ^J Justify
```

```
Lab#04 ./lab_task#03.sh 15 750
Student is eligible to take admission!
Lab#04 ./lab_task#03.sh 15 688
Marks should be greater than 700!
Lab#04 ./lab_task#03.sh 19 750
Age should be lesser than 18!
Lab#04
```