**RIPHAH INTERNATIONAL UNIVERSITY, ISLAMABAD**

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**Lab 9**

**Bachelors of Computer science – 5th semester**

**Subject:** Operating System Lab

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**Sap Id:** 44956

**Date:** 19th October, 2024

**Lab Task 09**

**Note: Your all exercises should be well commented.**

**Exercise 1:**

Run following script. And examine output.  **01**

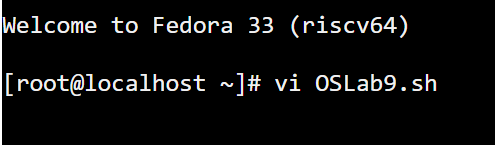
#!/bin/sh

clear

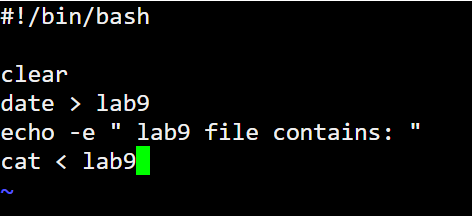
date > lab9

echo -e "lab9 file contains:"

cat < lab9

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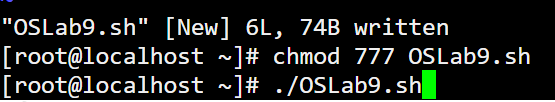
Press i to insert

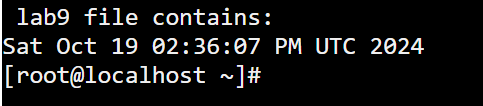
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Esp

Shift+:+wq

Enter

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**Exercise 2:**

A file contains following script. Execute this code. **01**

#!/bin/sh

clear

x=5

y=0

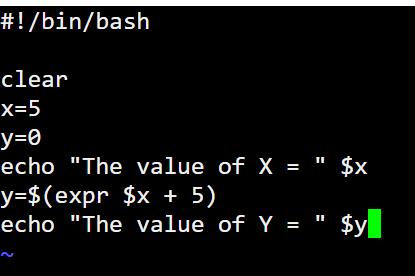
echo "The value of X = " $x

y=$(expr $x + 5)

echo "The value of Y = " $y

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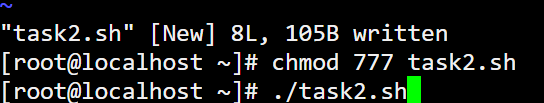
Press i to insert

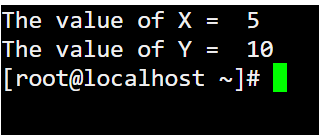
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Esp

Shift+:+wq

Enter

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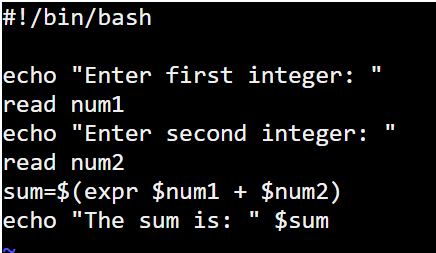
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**Exercise 3:**

Write shell script that reads 2 integer values from user and print their sum on screen. **02**

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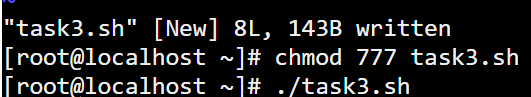
Press i to insert

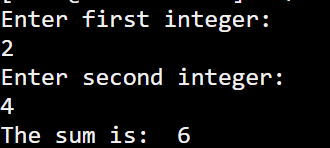
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Esp

Shift+:+wq

Enter

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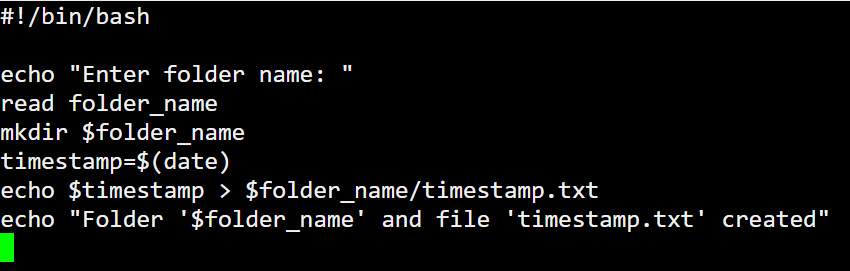
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**Exercise 4:**

Write shell script that takes string from user, and make folder with named with string. Folder should contain file with named timestamp. Having current time and date written on it. **02**

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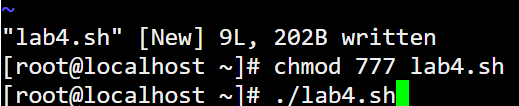
Press i to insert

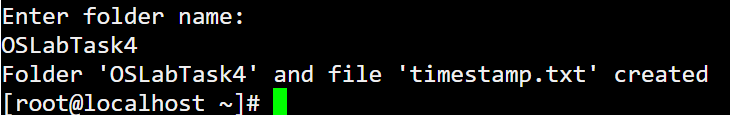
****

Esp

Shift+:+wq

Enter

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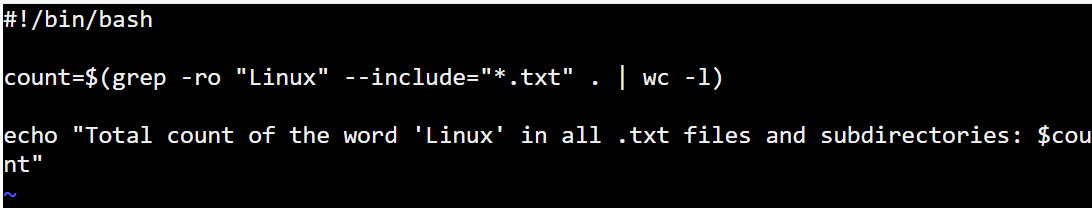
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**Exercise 5:**

### Write a shell script to get the total count of the word “Linux” in all the “.txt” files and also across files present in subdirectories. 02

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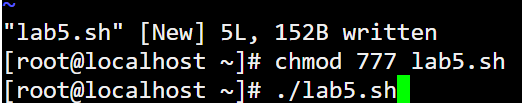
Press i to insert

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Esp

Shift+:+wq

Enter

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**Exercise 6:**

Write shell script that defines 2 integers and one float value like

a=5

b=7

c=5.5

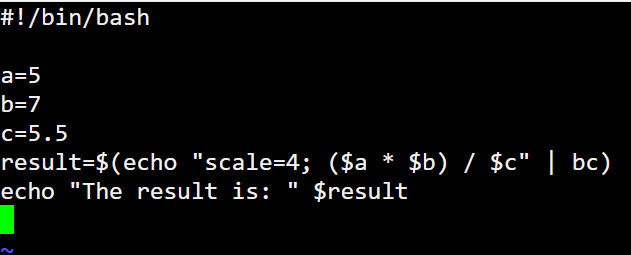
Perform multiplication of integers then divide with float.

and finally print result with four decimal places. like 6.3636

you have to use pipe operator ( | ) to send variables to **bc** utility for arithmetic. **02**



Press i to insert



Esp

Shift+:+wq

Enter

