

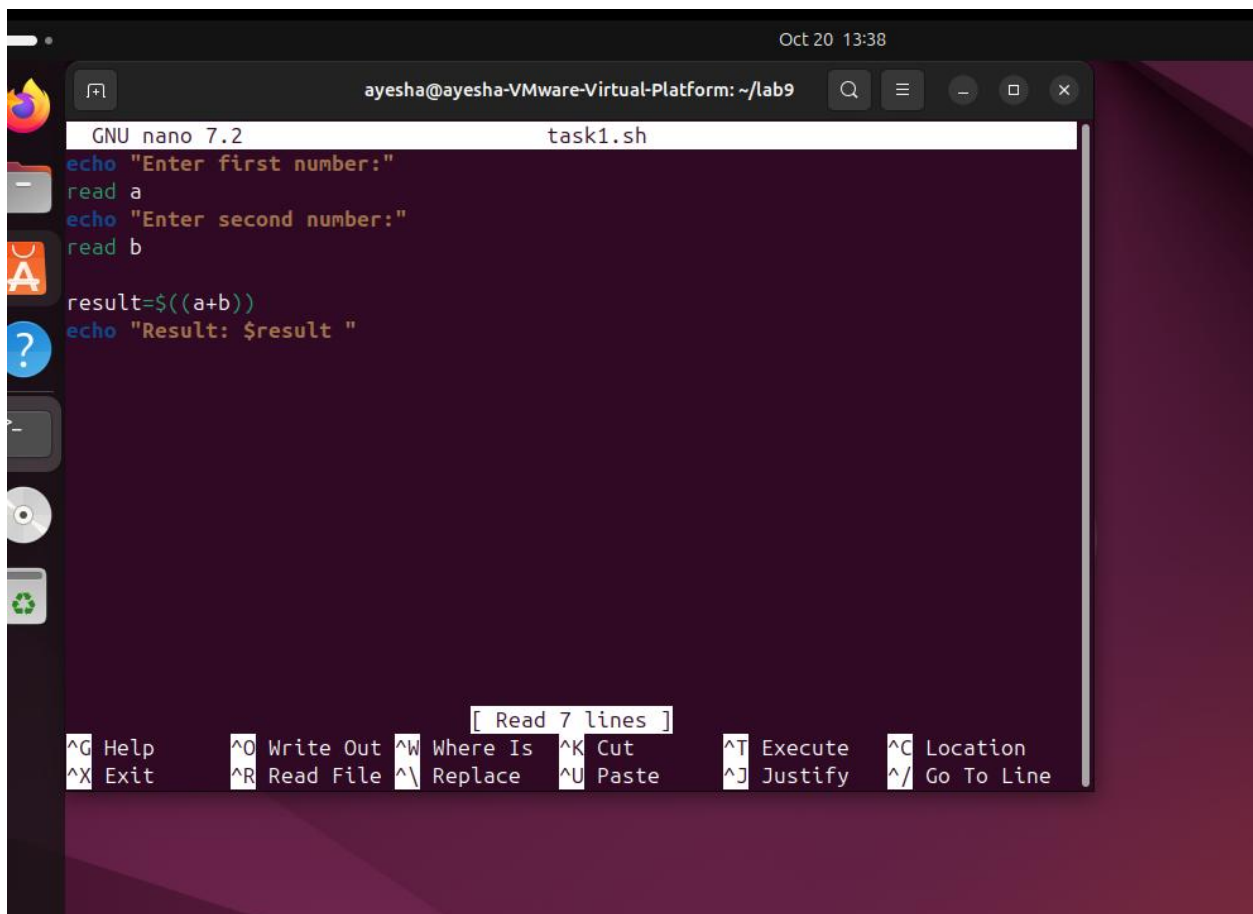
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Lab 9

Task 1: Write shell script that reads 2 integer values from user and print their sum on screen.

Code:



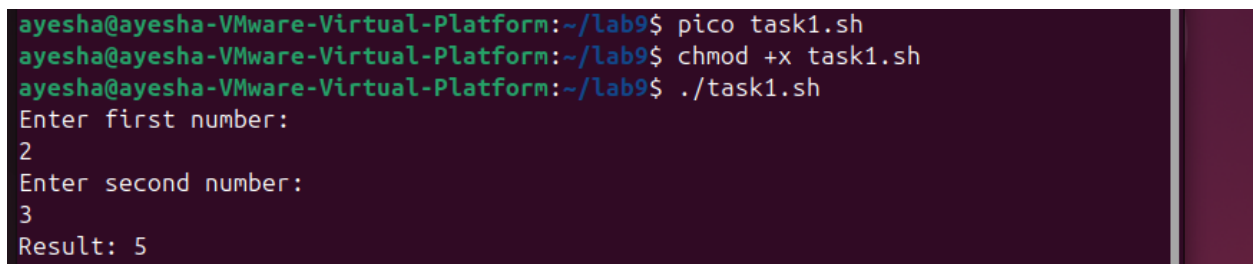
The screenshot shows a terminal window titled "ayesha@ayesha-VMware-Virtual-Platform: ~/lab9" with a timestamp of "Oct 20 13:38". The window displays the GNU nano 7.2 editor editing a file named "task1.sh". The script content is as follows:

```
GNU nano 7.2 task1.sh
echo "Enter first number:"
read a
echo "Enter second number:"
read b

result=$((a+b))
echo "Result: $result "
```

At the bottom of the terminal, a status bar shows "[Read 7 lines]" and a list of keyboard shortcuts: ^G Help, ^O Write Out, ^W Where Is, ^K Cut, ^T Execute, ^C Location, ^X Exit, ^R Read File, ^\ Replace, ^U Paste, ^J Justify, and ^_ Go To Line.

Output:



The screenshot shows the terminal output after running the script. The commands and their outputs are:

```
ayesha@ayesha-VMware-Virtual-Platform:~/lab9$ pico task1.sh
ayesha@ayesha-VMware-Virtual-Platform:~/lab9$ chmod +x task1.sh
ayesha@ayesha-VMware-Virtual-Platform:~/lab9$ ./task1.sh
Enter first number:
2
Enter second number:
3
Result: 5
```

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

a=5

b=7

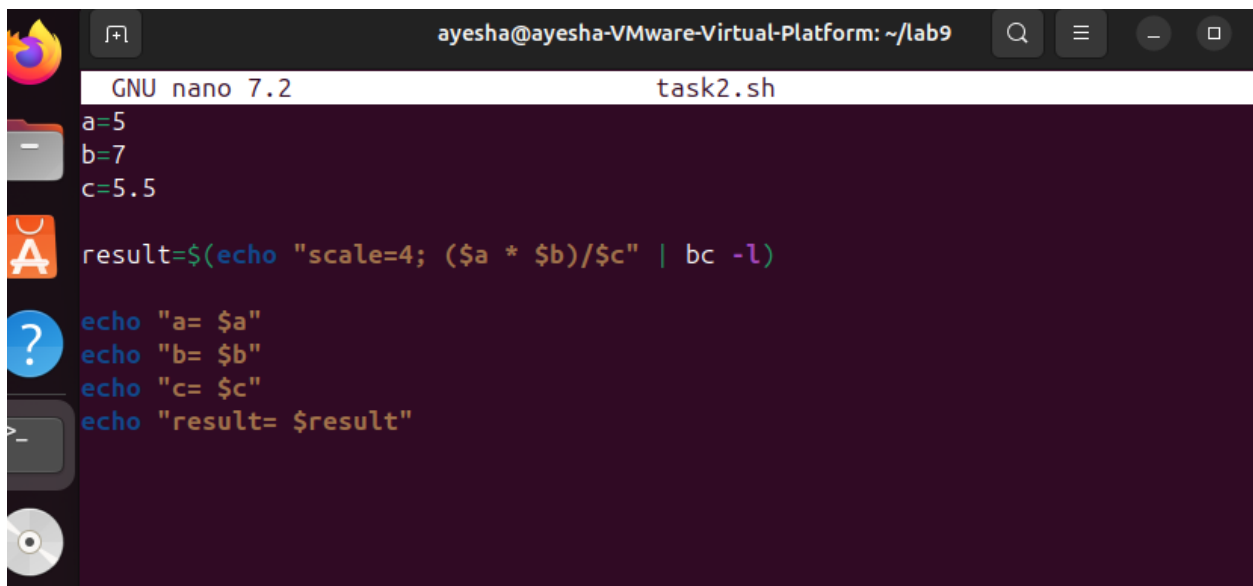
c=5.5

Perform multiplication of integers then divide with float.

and finally print result with four decimal places like 6.3636

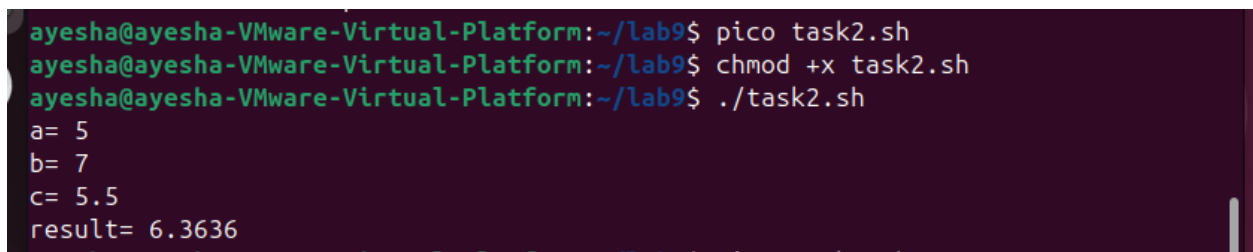
You have to use pipe operator (|) to send variables to **bc** utility for arithmetic.

Code:

A screenshot of a terminal window titled 'ayesha@ayesha-VMware-Virtual-Platform: ~/lab9'. The terminal shows the use of the 'nano' text editor to create a file named 'task2.sh'. The script contains the following lines: 'a=5', 'b=7', 'c=5.5', 'result=\$(echo "scale=4; (\$a * \$b)/\$c" | bc -l)', 'echo "a= \$a"', 'echo "b= \$b"', 'echo "c= \$c"', and 'echo "result= \$result"'. The terminal window includes standard Ubuntu icons on the left and search, menu, and window control buttons on the right.

```
ayesha@ayesha-VMware-Virtual-Platform: ~/lab9
GNU nano 7.2 task2.sh
a=5
b=7
c=5.5
result=$(echo "scale=4; ($a * $b)/$c" | bc -l)
echo "a= $a"
echo "b= $b"
echo "c= $c"
echo "result= $result"
```

Output:

A screenshot of a terminal window showing the execution of the 'task2.sh' script. The user runs 'pico task2.sh' to edit the file, 'chmod +x task2.sh' to make it executable, and './task2.sh' to run it. The output of the script is displayed: 'a= 5', 'b= 7', 'c= 5.5', and 'result= 6.3636'.

```
ayesha@ayesha-VMware-Virtual-Platform:~/lab9$ pico task2.sh
ayesha@ayesha-VMware-Virtual-Platform:~/lab9$ chmod +x task2.sh
ayesha@ayesha-VMware-Virtual-Platform:~/lab9$ ./task2.sh
a= 5
b= 7
c= 5.5
result= 6.3636
```