

# **Riphah International University Islamabad**



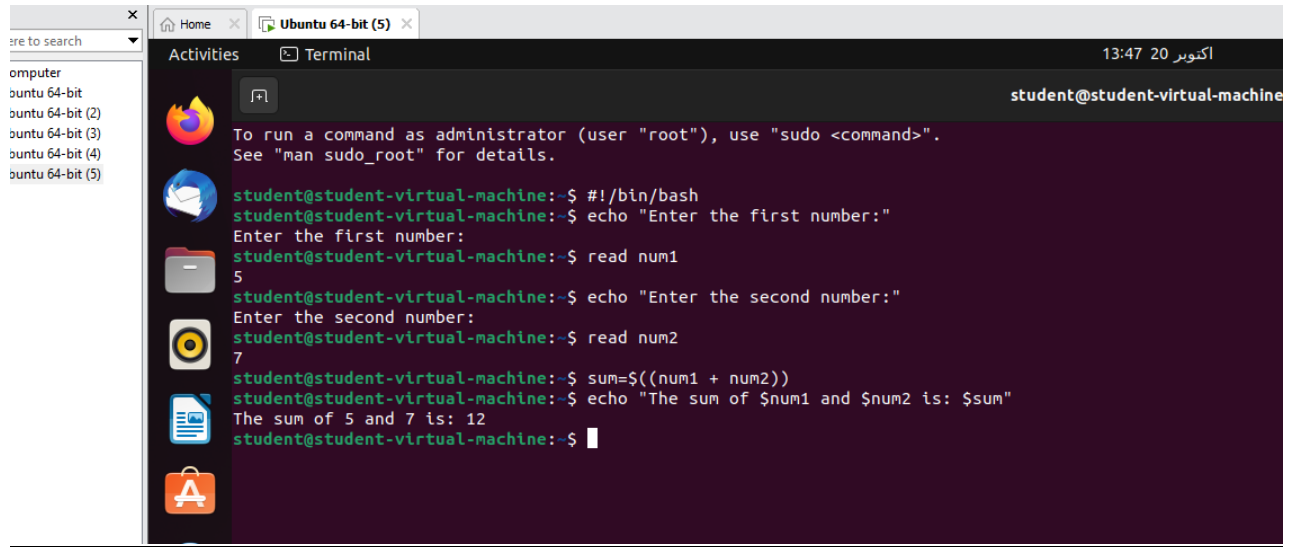
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**55503 (CS-5)**

**Operating System**

**OS Lab # 09**

## Task # 01

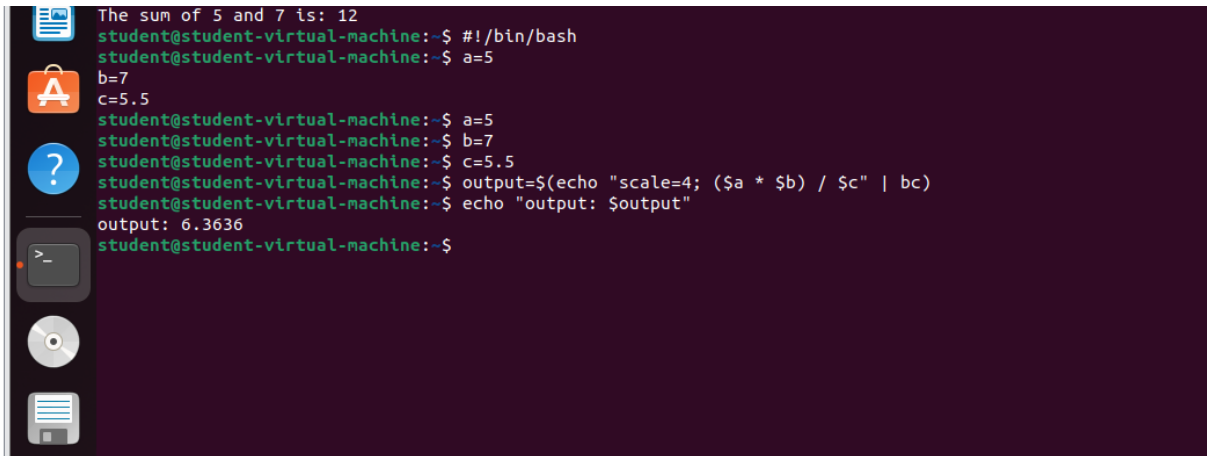


The screenshot shows a terminal window titled "Ubuntu 64-bit (5)". The prompt is "student@student-virtual-machine". The terminal displays the following commands and output:

```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

student@student-virtual-machine:~$ #!/bin/bash
student@student-virtual-machine:~$ echo "Enter the first number:"
Enter the first number:
student@student-virtual-machine:~$ read num1
5
student@student-virtual-machine:~$ echo "Enter the second number:"
Enter the second number:
student@student-virtual-machine:~$ read num2
7
student@student-virtual-machine:~$ sum=$((num1 + num2))
student@student-virtual-machine:~$ echo "The sum of $num1 and $num2 is: $sum"
The sum of 5 and 7 is: 12
student@student-virtual-machine:~$
```

## Task # 02



The screenshot shows a terminal window titled "Ubuntu 64-bit (5)". The prompt is "student@student-virtual-machine". The terminal displays the following commands and output:

```
The sum of 5 and 7 is: 12
student@student-virtual-machine:~$ #!/bin/bash
student@student-virtual-machine:~$ a=5
b=7
c=5.5
student@student-virtual-machine:~$ a=5
student@student-virtual-machine:~$ b=7
student@student-virtual-machine:~$ c=5.5
student@student-virtual-machine:~$ output=$(echo "scale=4; ($a * $b) / $c" | bc)
student@student-virtual-machine:~$ echo "output: $output"
output: 6.3636
student@student-virtual-machine:~$
```