Name: Deher Zainab

Sap ID: 49710

BSCS-5th Semester

OS Lab Tasks

LAB # 9

Submitted to:

Mam Ayesha

Task # 1

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

```
student@student-virtual-machine:~$ nano sumIntegers.sh
student@student-virtual-machine:~$ chmod +x sumIntegers.sh
student@student-virtual-machine:~$ ./sumIntegers.sh
Enter the first integer:
5
Enter the second integer:
8
The sum of 5 and 8 is: 13
```

```bash
#!/bin/bash

# Prompt the user to enter two integers
echo "Enter the first integer: "
read num1

echo "Enter the second integer: "
read num2

# Calculate the sum
sum=$((num1 + num2))

# Print the result
echo "The sum of $num1 and $num2 is: $sum"
```

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.

```
student@student-virtual-machine:~$ nano myscript.sh
student@student-virtual-machine:~$ chmod +x myscript.sh
student@student-virtual-machine:~$ ./myscript.sh
6.3636
```

```bash
#!/bin/bash

# Step 1: Define the variables
a=5
b=7
c=5.5

# Step 2: Perform the multiplication and division, using bc for precision
result=$(echo "scale=4; ($a * $b) / $c" | bc)

# Step 3: Print the result with 4 decimal places
echo $result
```