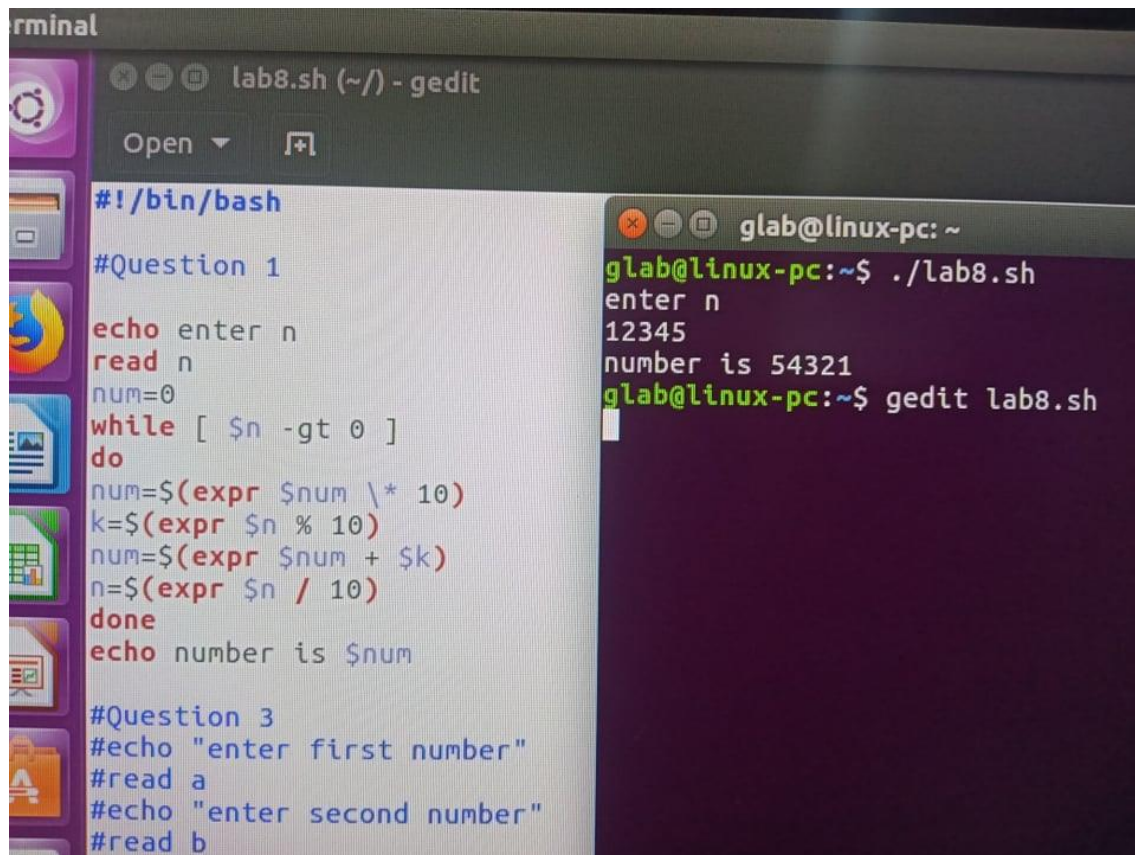


Question # 01:



```
terminal
lab8.sh (~/) - gedit

#!/bin/bash

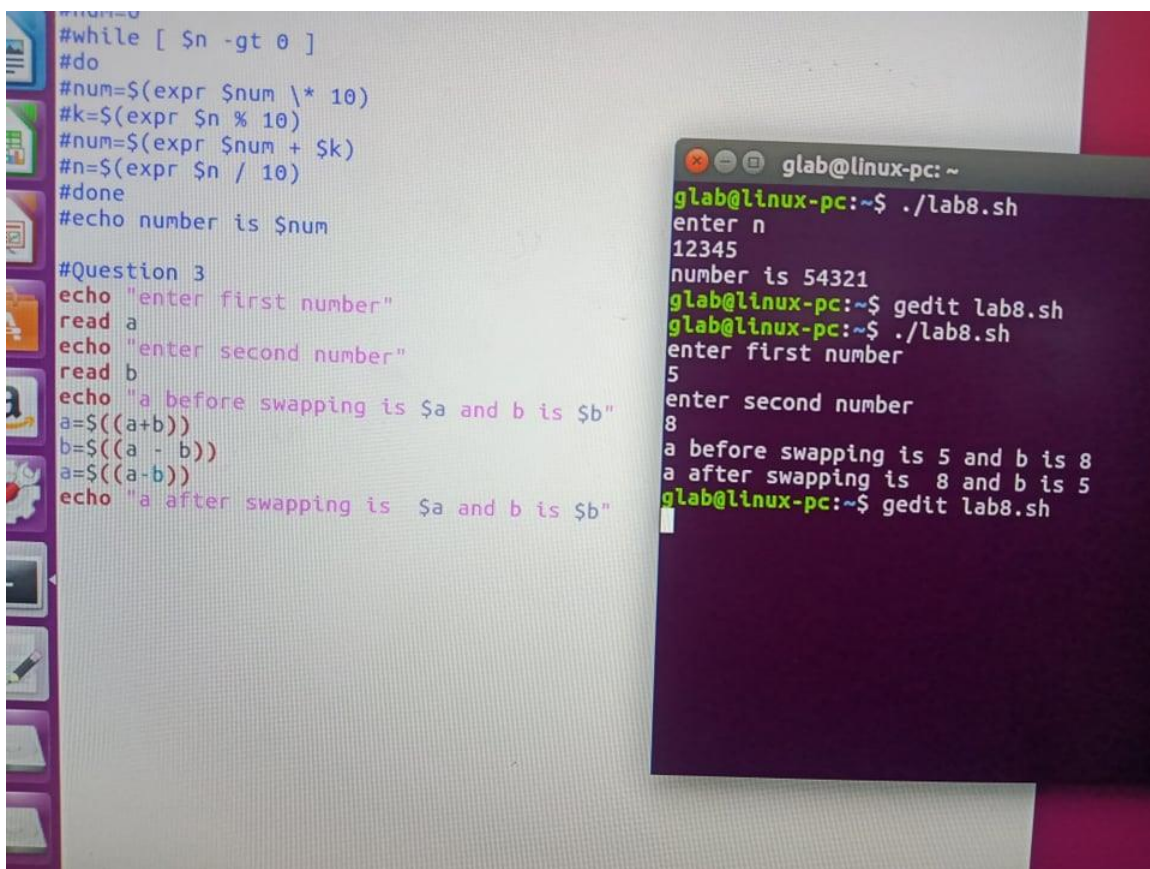
#Question 1

echo enter n
read n
num=0
while [ $n -gt 0 ]
do
num=$((expr $num \* 10))
k=$((expr $n % 10))
num=$((expr $num + $k))
n=$((expr $n / 10))
done
echo number is $num

#Question 3
#echo "enter first number"
#read a
#echo "enter second number"
#read b

glab@linux-pc: ~
glab@linux-pc:~$ ./lab8.sh
enter n
12345
number is 54321
glab@linux-pc:~$ gedit lab8.sh
```

Question # 03



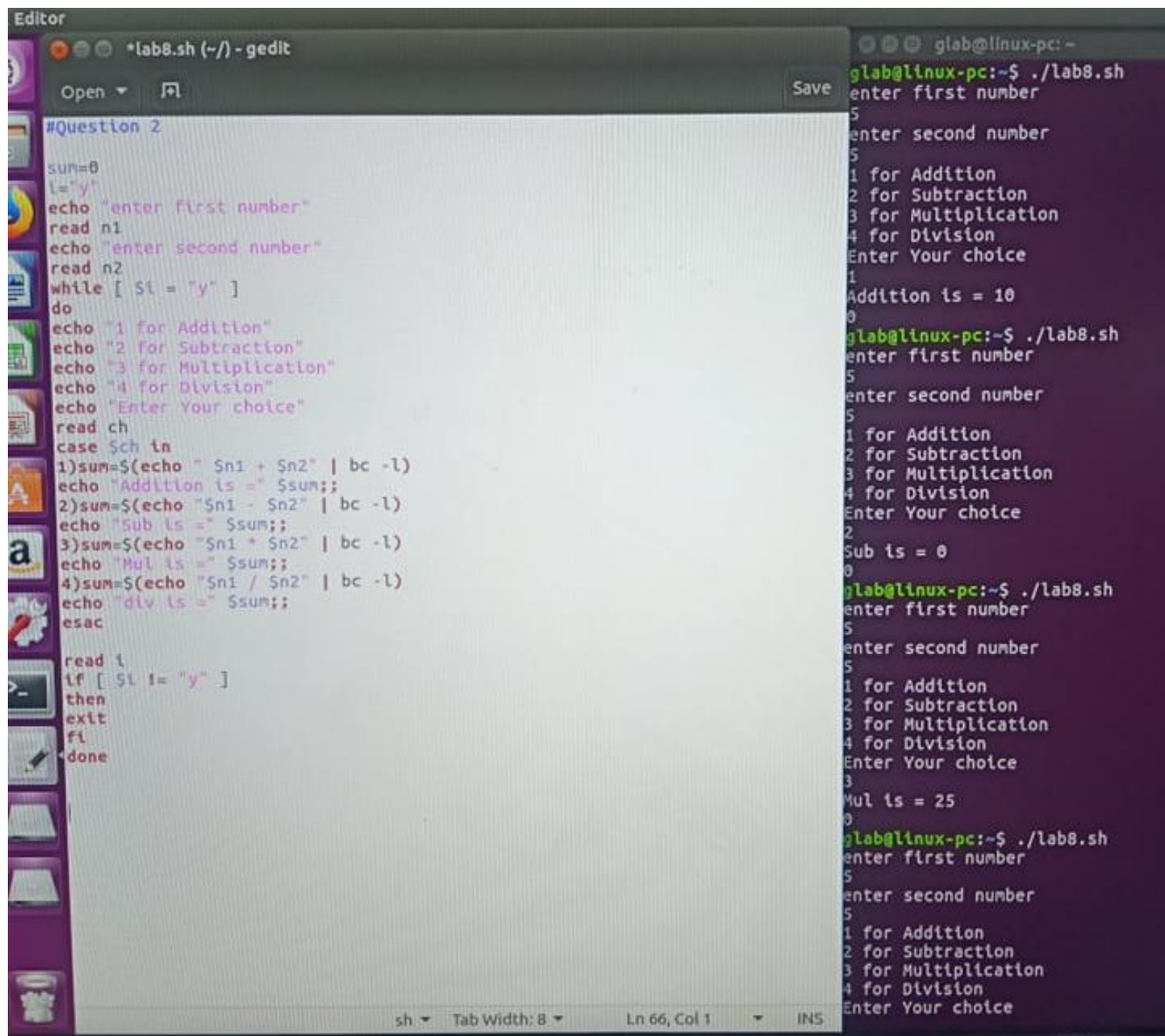
```
#!/bin/bash

#while [ $n -gt 0 ]
#do
#num=$((expr $num \* 10))
#k=$((expr $n % 10))
#num=$((expr $num + $k))
#n=$((expr $n / 10))
#done
#echo number is $num

#Question 3
echo "enter first number"
read a
echo "enter second number"
read b
echo "a before swapping is $a and b is $b"
a=$((a+b))
b=$((a - b))
a=$((a-b))
echo "a after swapping is $a and b is $b"

glab@linux-pc: ~
glab@linux-pc:~$ ./lab8.sh
enter n
12345
number is 54321
glab@linux-pc:~$ gedit lab8.sh
glab@linux-pc:~$ ./lab8.sh
enter first number
5
enter second number
8
a before swapping is 5 and b is 8
a after swapping is 8 and b is 5
glab@linux-pc:~$ gedit lab8.sh
```

Question # 02



```
Editor
*lab8.sh (~/) - gedit
Open Save
#Question 2
sum=0
l="y"
echo "enter first number"
read n1
echo "enter second number"
read n2
while [ $l = "y" ]
do
echo "1 for Addition"
echo "2 for Subtraction"
echo "3 for Multiplication"
echo "4 for Division"
echo "Enter Your choice"
read ch
case $ch in
1)sum=$(echo "$n1 + $n2" | bc -l)
echo "Addition is =" $sum;;
2)sum=$(echo "$n1 - $n2" | bc -l)
echo "Sub is =" $sum;;
3)sum=$(echo "$n1 * $n2" | bc -l)
echo "Mul is =" $sum;;
4)sum=$(echo "$n1 / $n2" | bc -l)
echo "div is =" $sum;;
esac
read l
if [ $l != "y" ]
then
exit
fi
done

glab@linux-pc: ~
glab@linux-pc:~$ ./lab8.sh
enter first number
5
enter second number
5
1 for Addition
2 for Subtraction
3 for Multiplication
4 for Division
Enter Your choice
1
Addition is = 10
glab@linux-pc:~$ ./lab8.sh
enter first number
5
enter second number
5
1 for Addition
2 for Subtraction
3 for Multiplication
4 for Division
Enter Your choice
2
Sub is = 0
glab@linux-pc:~$ ./lab8.sh
enter first number
5
enter second number
5
1 for Addition
2 for Subtraction
3 for Multiplication
4 for Division
Enter Your choice
3
Mul is = 25
glab@linux-pc:~$ ./lab8.sh
enter first number
5
enter second number
5
1 for Addition
2 for Subtraction
3 for Multiplication
4 for Division
Enter Your choice
```

sh Tab Width: 8 Ln 66, Col 1 INS