

NAME : **ADITYA RAJ PANDIT**

REG NO : **23BRS1157**

SLOT : **F2**

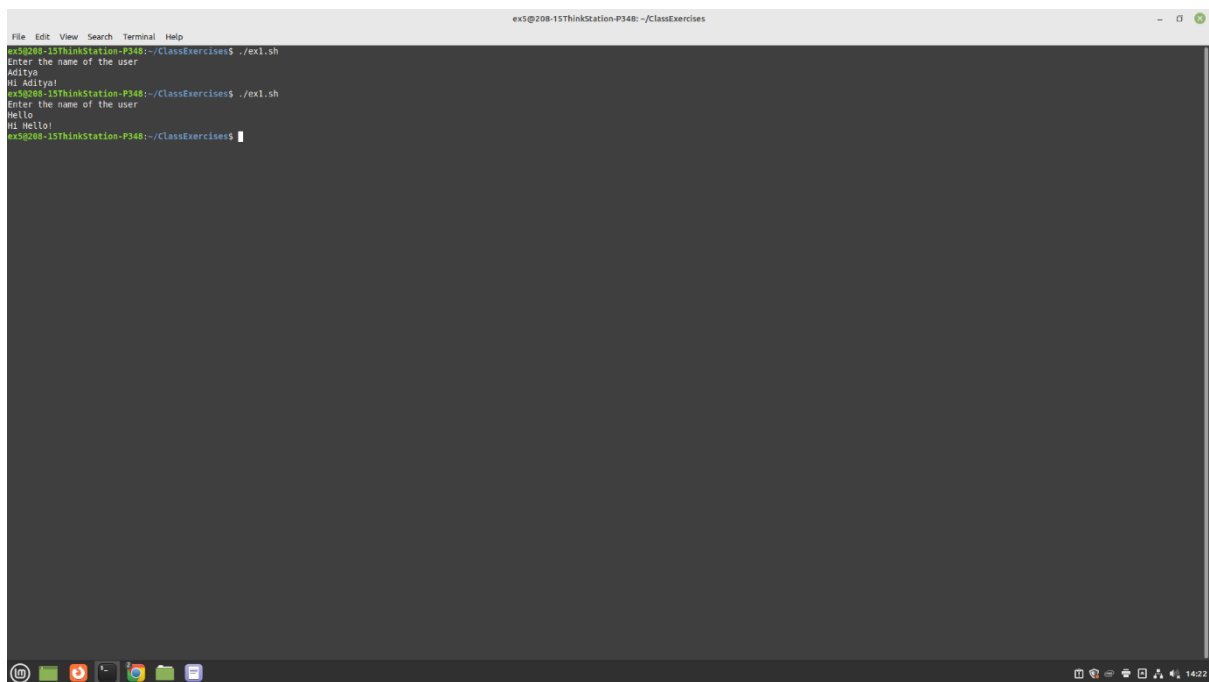
Q1) Input name from user and print his name.

CODE:

```
echo "Enter the name of the user"
```

```
read name
```

```
echo "Hi $name!"
```



```
ex5@208-15ThinkStation-P348: ~/ClassExercises
File Edit View Search Terminal Help
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex1.sh
Enter the name of the user
Aditya
Hi Aditya!
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex1.sh
Enter the name of the user
Hello
Hi Hello!
ex5@208-15ThinkStation-P348:~/ClassExercises$
```

The screenshot shows a terminal window with a menu bar (File, Edit, View, Search, Terminal, Help) and a title bar (ex5@208-15ThinkStation-P348: ~/ClassExercises). The terminal displays the execution of a script named ex1.sh. In the first run, the user enters 'Aditya', and the script outputs 'Hi Aditya!'. In the second run, the user enters 'Hello', and the script outputs 'Hi Hello!'. The terminal has a dark background with green text. At the bottom, there is a taskbar with various application icons and a system tray showing the time as 14:22.

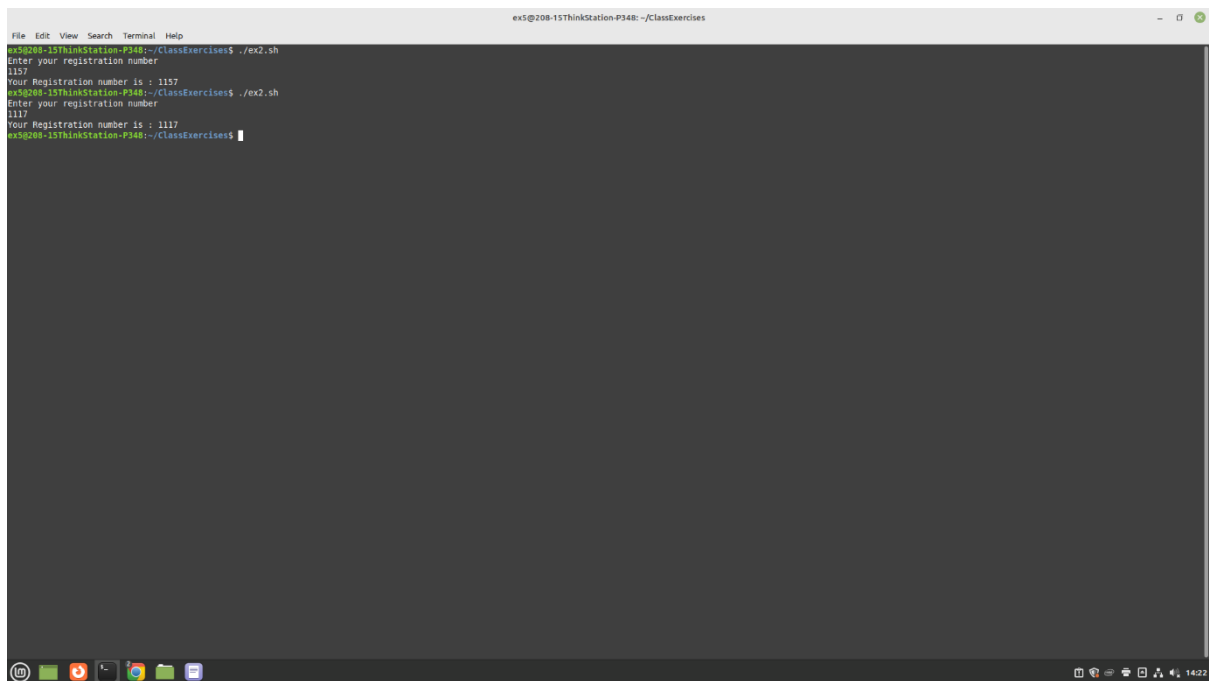
Q2) Input the registration number from user and print it

CODE:

```
echo "Enter your registration number"
```

```
read regno
```

```
echo "Your Registration number is : $regno"
```



The screenshot shows a terminal window titled "ex5@208-15ThinkStation-P348: ~/ClassExercises". The terminal displays the following sequence of commands and output:

```
File Edit View Search Terminal Help
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex2.sh
Enter your registration number
1157
Your Registration number is : 1157
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex2.sh
Enter your registration number
1117
Your Registration number is : 1117
ex5@208-15ThinkStation-P348:~/ClassExercises$
```

The terminal window has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The status bar at the bottom shows various system icons and the time "14:22".

Q3) Input two numbers from user and print its sum

CODE:

```
echo "Enter the first number"

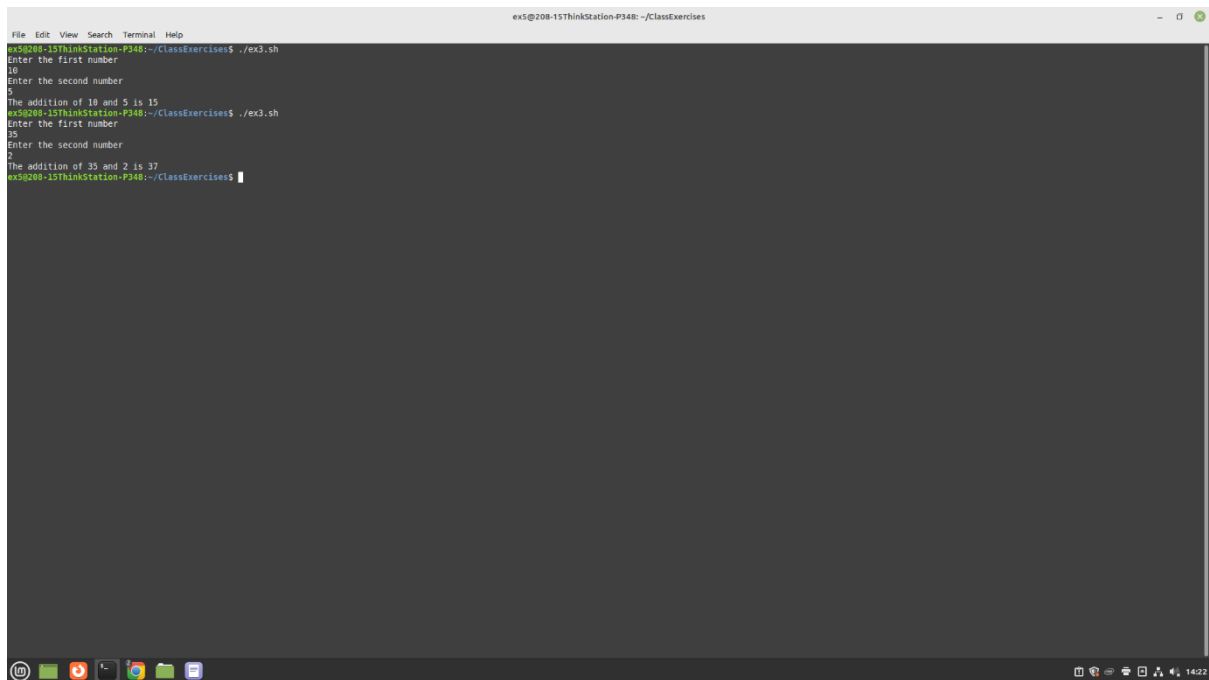
read num1

echo "Enter the second number"

read num2


((sum = num1 + num2))

echo "The addition of $num1 and $num2 is $sum"
```



The screenshot shows a terminal window titled "ex5@208-15ThinkStation-P348: ~/ClassExercises". The terminal displays the execution of a script named "ex3.sh". The script prompts the user to enter two numbers and then prints their sum. The first run shows inputs 10 and 5, resulting in a sum of 15. The second run shows inputs 35 and 2, resulting in a sum of 37. The terminal output is as follows:

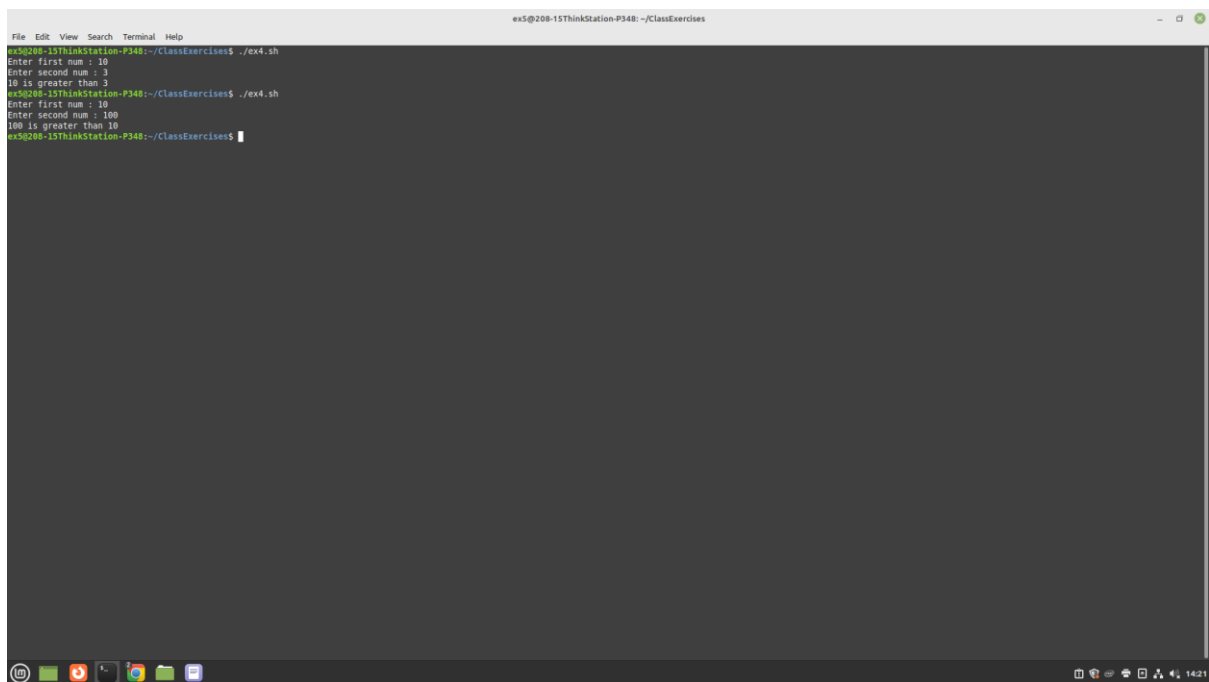
```
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex3.sh
Enter the first number
10
Enter the second number
5
The addition of 10 and 5 is 15
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex3.sh
Enter the first number
35
Enter the second number
2
The addition of 35 and 2 is 37
ex5@208-15ThinkStation-P348:~/ClassExercises$
```

Q4) Input two numbers from user and print the greatest among them

CODE:

```
read -p "Enter first num : " num1
read -p "Enter second num : " num2

if (($num1 > $num2))
then
    echo "$num1 is greater than $num2"
else
    echo "$num2 is greater than $num1"
fi
```

A screenshot of a terminal window titled "ex5@208-15ThinkStation-P348: ~/ClassExercises". The terminal shows the execution of a script named "ex4.sh". The first run shows "Enter first num : 10" and "Enter second num : 3", resulting in the output "10 is greater than 3". The second run shows "Enter first num : 10" and "Enter second num : 100", resulting in the output "100 is greater than 10". The terminal has a standard Linux desktop environment with a taskbar at the bottom showing various application icons and a system tray on the right with a clock showing 14:21.

```
File Edit View Search Terminal Help
ex5@208-15ThinkStation-P348: ~/ClassExercises
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex4.sh
Enter first num : 10
Enter second num : 3
10 is greater than 3
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex4.sh
Enter first num : 10
Enter second num : 100
100 is greater than 10
ex5@208-15ThinkStation-P348:~/ClassExercises$
```

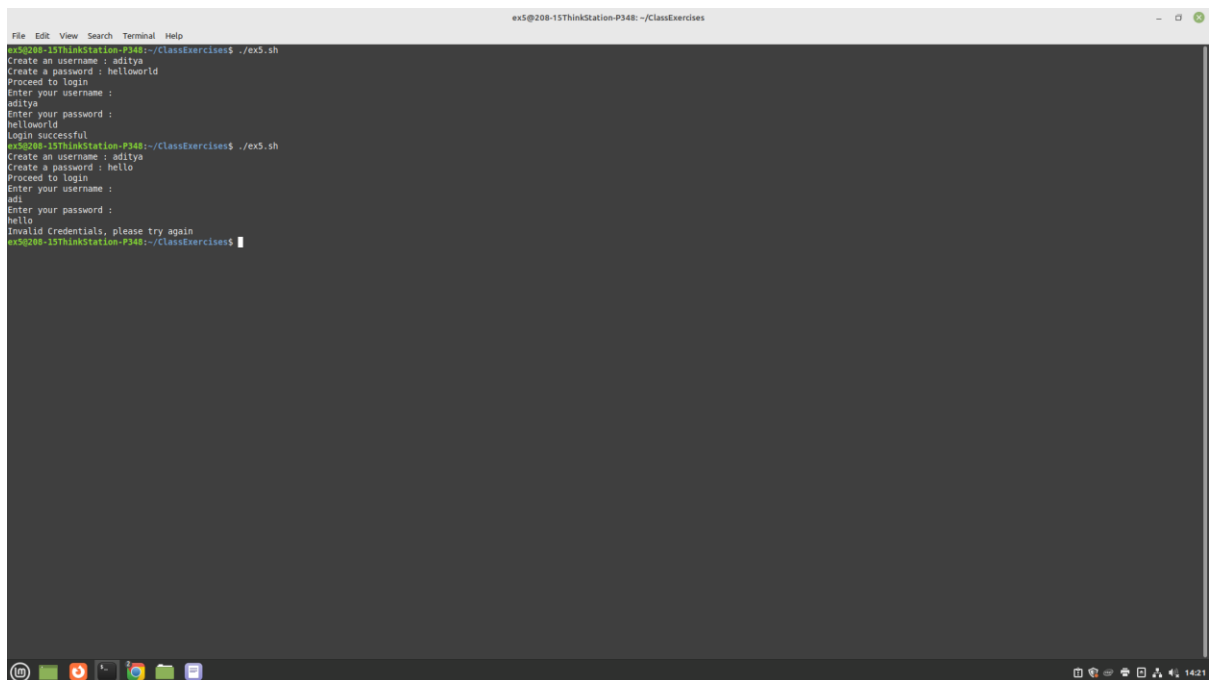
Q5) Check if the credentials of the user is valid or not

CODE:

```
read -p "Create an username : " uname
read -p "Create a password : " pswd
echo "Proceed to login"

echo "Enter your username : "
read entered_uname
echo "Enter your password : "
read entered_pswd

if [[ "$uname" == "$entered_uname" && "$pswd" == "$entered_pswd" ]];
then
    echo "Login successful"
else
    echo "Invalid Credentials, please try again"
fi
```



```
File Edit View Search Terminal Help
ex5@208-15ThinkStation-P348: ~/ClassExercises
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex5.sh
Create an username : aditya
Create a password : helloworld
Proceed to login
Enter your username :
aditya
Enter your password :
helloworld
Login successful
ex5@208-15ThinkStation-P348:~/ClassExercises$ ./ex5.sh
Create an username : aditya
Create a password : hello
Proceed to login
Enter your username :
adi
Enter your password :
hello
Invalid Credentials, please try again
ex5@208-15ThinkStation-P348:~/ClassExercises$
```

