# **Bash Scripting Assignment**

## **Assignment Instructions**

This assignment consists of basic bash scripting tasks introduced in Class 16. The objective is to demonstrate understanding of functions, conditionals, input handling, and error checking in bash scripts.

## Task 1: Add Two Numbers Using a Function

Objective: Create a script with a function that adds two numbers.

Filename: sum.sh

Script:

```
#!/bin/bash
add() {
read -p "Enter first number: " num1
read -p "Enter second number: " num2
sum=$((num1+num2))
echo "Sum: $sum"
}
add
```

Explanation: This script defines a function called `add` that takes two inputs, adds them using arithmetic expansion, and prints the result.

#### Screenshot/Output:

```
[ec2-user@ip-172-31-11-3 ~]$ nano sum.sh
[ec2-user@ip-172-31-11-3 ~]$ chmod +x sum.sh
[ec2-user@ip-172-31-11-3 ~]$ ./sum.sh
Enter first number: 10
Enter second number: 5
Sum: 15
```

## Task 2: Login Script

Objective: Create a bash script that asks the user for a username and checks if it is 'admin'.

Filename: login.sh

Script:

Explanation: This script reads input from the user. If the input is 'admin', it prints a welcome message; otherwise, it denies access.

### Screenshot/Output:

```
[ec2-user@ip-172-31-11-3 ~]$ nano login.sh
[ec2-user@ip-172-31-11-3 ~]$ chmod +x login.sh
[ec2-user@ip-172-31-11-3 ~]$ ./login.sh
Enter Username: admin
Welcome, admin!
[ec2-user@ip-172-31-11-3 ~]$ ./login.sh
Enter Username: khuzaima
Access Denied.
[ec2-user@ip-172-31-11-3 ~]$
```