

Assignment: 3

Aim: Write a shell script to find the sum of digits of a number.

Algorithm:

Step 1: Start

Step 2: Take a number from user

Step 3: Split digits and sum using relevant iteration statement.

Step 4: Display The sum of digits.

Step 5: Stop

Description:

Syntax of while loop:

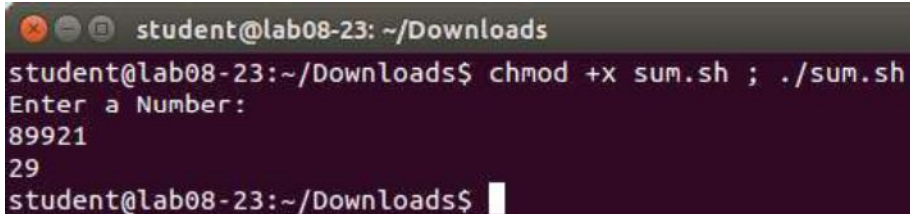
```
while [ condition ]
```

```
do
```

```
Statements....
```

```
done
```

Sample Input and Output:

A terminal window screenshot showing the execution of a shell script. The prompt is 'student@lab08-23: ~/Downloads'. The user enters 'chmod +x sum.sh ; ./sum.sh'. The prompt changes to 'student@lab08-23:~/Downloads\$'. The user enters 'Enter a Number:'. The prompt changes to 'student@lab08-23:~/Downloads\$'. The user enters '89921'. The prompt changes to 'student@lab08-23:~/Downloads\$'. The user enters '29'. The prompt changes to 'student@lab08-23:~/Downloads\$'.

```
student@lab08-23: ~/Downloads
student@lab08-23:~/Downloads$ chmod +x sum.sh ; ./sum.sh
Enter a Number:
89921
29
student@lab08-23:~/Downloads$
```

Test your program with the following set of values { 111, 685, 4861, -5674, 450 }