

# **OPERATING SYSTEM LAB MANUAL (CS 693)**

## **Assignment: 4**

Aim: Write Shell script to generate Fibonacci series up to nth term.

#### Algorithm:

Step 1: Start.

Step 2: Initialise certain variables.

Step 3: Accept number of terms n from user. [Negative term is unacceptable]

Step 4: If n = 1 then display 0

Step 5: If n = 2 then display 1

Step 6: If n>2 then display summation of previous two terms.

Step 7: Iterate until the iterator reaches n.

Step 8: Stop.

### **Description:**

Syntax of for loop:

for ((;;))

do

Statements....

done

## **Sample Input and Output:**

```
student@lab08-23:~/Downloads
student@lab08-23:~/Downloads$ chmod +x fibo.sh; ./fibo.sh
Enter Number of Terms:
5
0
1
1
2
3
student@lab08-23:~/Downloads$
```