Ex. No.: 3b)

Date: 8 - 2 - 25
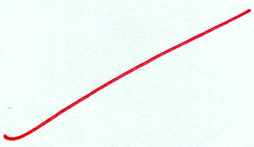
<div align="center">Shell Script – Fibbonacci Series</div>

Aim:

To write a Shell script to generate a Fibonacci series using for loop.

Program:

```
echo "Enter number of terms"
read n
a = -1
b = 1
echo "Fibonacci Series"
for ((i=1 ; i<= $n ; i++))
do
c = $(echo "$a + $b" |bc)
echo $c
a = $b
b = $c
done
```

[REC@local host~]$sh indhu.sh

enter number
21
fibonacci series
0
1
1
2
3
5
8
13
21
34
55
89
144
233
377

Sample Input:

Enter number of terms
4

Sample Output:
0
1
1
2

Result: The above program to write a shell script to generate a fibonacci series using loop has been executed successfully.

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