

Output:  
15

0  
1  
1  
2  
3  
5  
8  
13  
21  
34  
55  
89  
144  
233  
377

Ex. No.: 3b)

Date: 3/11/25

Shell Script – Fibonacci Series

Aim:

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

Program:

```
echo ("Enter a number")
read n
echo $f
f=0
s=1
echo $s
for (( i=2; i<=$n; ((i++)) ))
do
    n1=$(( $f+$s ))
    echo $n1
    f=$s
    s=$n1
done
```

### Sample Input and Output

Run the program using the below command

[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

Result:

Thus the program for Fibonacci series is written  
and executed using shell script.

*Indhu*