

Ex. No.: 3b)

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Shell Script – Fibonacci Series

Aim:

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

Program:

```
echo "enter no of terms"  
read n  
a=-1  
b=1  
echo "fib series"  
for ((i=1; i<=$n; i++))  
do  
c=$((a+b))  
echo $c  
a=$b  
b=$c  
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

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

Result:

thus the shell script to generate a fibonacci series using for loop has been executed successfully