

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 a number"
read n
a = 0
b = 1
echo "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

Enter a number

7

Series

0

1

1

2

3

5

8

Result:

Thus the shell script to generate a Fibonacci series using loop has been executed successfully.