Ex. No.: 3b)

Shell Script – Fibbonacci Series

Aim:

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

Program:

```
echo "Enter the number of terms: "
read n

a=0
b=1

echo -n "$a $b "

for (( i=2; i<n; i++ ))
do
    fn=$((a + b))
    echo -n "$fn "
    a=$b
    b=$fn
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 number of terms
21
Fibonacci Series:
0
1
1
2
3
5
8
13
21
34
55
89
144
233
377
610
987
1597
2584
4181
6765
```

Result:

Shell script to generate a Fibonacci series using for loop was executed and got the output.