

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 number of terms"
```

```
read n
```

```
a=1
```

```
b=1
```

```
echo "Fibonacci 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

8

Fibonacci Series

0

1

1

2

3

5

8

13

Result:

Thus the shell script to generate Fibonacci Series using for loop has been created successfully.

[Signature]