

Ex. No.: 3b)

### Shell Script – Fibonacci Series

Aim:

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

Program:

```
echo "Enter the number of terms for Fibonacci series:"
```

```
read n
```

```
a=0
```

```
b=1
```

```
echo "Fibonacci Series up to $n terms:"
```

```
for (( i=0; i<n; i++ ))
```

```
do
```

```
    echo -n "$a "
```

```
    fib=$((a + b))
```

```
    a=$b
```

```
    b=$fib
```

```
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:

Shell script to reverse a given digit using looping statement is successfully executed.