Shell Script – Reverse of Digit

Aim:

To write a Shell script to reverse a given digit using looping statement.

Program:

```
echo "enter number"
read a
n=0
while [$a -gt 0]
do
        n= $(( $n * 10))
        l= $(( $a % 10))
        n= $(( $n + $l))
        a= $(( $a / 10))

done
echo $n
```

Sample Input and Output
Run the program using the below command
 [REC@local host~]$sh indhu.sh

enter number
123
321

Result:

Shellscript to reverse a given digit using Looping statement have been executed successfully.

enter number:

12

21

enter number:

432

234

Ex. No.: 3b)

Date: 8/2/25

Shell Script – Fibbonacci Series

Aim:

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

Program:

```
echo    "Enter number:"

read    n
echo    "fibonacci series"
a=0
b=1

while  [ $n  -ne  0 ]

do
        t = $a
        echo $a
        a = $b
        b = $(( $t + $b ))
        n = $(( $n-1 ))

done
```

Sample Input and Output
Run the program using the below command
 [REC@local host~]$sh indhu.sh

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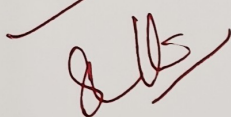21
fibonacci series
0
1
1
2
3
5
8
13
21
34
55
89
144
233
377

Result:

Shell Script to generate a fibonacci series using for loop have been executed successfully.

27

enter number:

5
fibonacci series
0

1

1

2

3

enter number

7
fibonacci series
0

1

1

2

3

5

8