

Ex. No.: 3a)

Date: 21/1/25

Aim:

Shell Script – Reverse of Digit

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

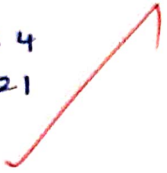
Program:

```
echo "Enter number"
read n
sum = 0
while [ $n -gt 0 ]
do
    rem = $(( $n % 10 ))
    sum = $(( $sum * 10 + $rem ))
    n = $(( $n / 10 ))
done
echo $sum
```

Enter number

1284

4321



Sample Input and Output

Run the program using the below command

[REC@local host~]\$sh indhu.sh

enter number

123

321

Result:

Shell script to reverse a given digit using
looping statement have been executed successfully

Indhu

Ex. No.: 3b)

Date: 31/11/25


Shell Script – Fibonacci Series

Aim:

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

Program:

```
echo ("Enter number" )
read n
echo $f
f=0
s=1
echo $s
for ((i=2; i<=$n; (i++)))
do
    n1=$(( $f + $s ))
    echo $n1
    f=$s
    s=$n1
done
```



Output

15

0

1

1

2

3

5

8

13

21

34

55

89

144

233

377



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:

shellscript to generate a fibonacci series
using for ~~loop~~ have been executed successfully

