Ex. No.: 3a)

Date: 8/2/25

Shell Script – Reverse of Digit

Aim:

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

Program:

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


PDF Scanner ACE Scanner

Enter a number

123

321

PDF Scanner ACE Scanner

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

ACE Scanner

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


PDF Scanner ACE Scanner

Enter a number

5
0
1
1
2
3

PDF Scanner ACE Scanner

Sample Input and Output

Run the program using the below command

[RHC@local host ~]$sh indfin.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