Ex. No.: 3a)

Date: 7/2/25

Shell Script – Reverse of Digit

Aim:

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

Program:

```
echo "Enter a num"
read n
rev=0
while [$n -gt 0] ; do
d=$((n%10))
rev=$((rev*10+d))
n=$((n/10))
done
echo "REV: $rev"
```

Enter number

76

O/P

67

Sample Input and Output

Run the program using the below command

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

enter number

123

321

Result:

The shell scrip to reverse a number has been executed successfully.

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
```

Enter a number

5

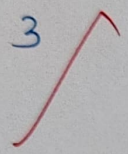
0

1

1

2

3



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:

Thus the program for Fibonacci series is written and executed using shell script.