

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



```
scanf("%d", &n);  
int rev = 0;  
while (n > 0) {  
    int d = n % 10;  
    rev = (rev * 10 + d);  
    n = n / 10;  
}  
printf("REV: %d", rev);
```

Sample Input and Output

Run the program using the below command

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

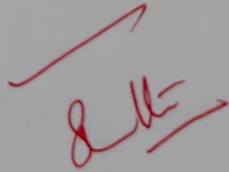
enter number

123

321

Result:

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

A red handwritten signature with a long horizontal line underneath it. A red arrow points from the signature towards the word 'successfully' in the text above.

Ex. No.: 3b)

Date: 8/2/25

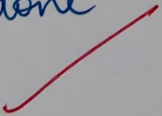
Shell Script – Fibonacci Series

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

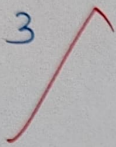
0

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.

