

**Ex. no: 3a)**

**Date: 01.02.2025**

## **SHELL SCRIPT – REVERSE OF DIGIT**

### **Aim:**

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

### **Program:**

```
echo enter number
read n
rev=0
while [ $n -gt 0 ]
do
    digit=$((n%10))
    rev=$((rev*10+digit))
    n=$((n/10))
done
echo
$rev
```

### **Output:**

```
$ sh reverse.sh
enter number
123
321
```

### **Result:**

Hence, the Shell Script to reverse the given digit was executed successfully.

**Ex. no: 3b)**  
**Date: 01.02.2025**

**SHELL SCRIPT – FIBBONACCI**  
**SERIES**  
**Aim:**

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

**Program:**

```
echo enter number
read n
a=0
b=1
echo "fibonacci
series" for (( i=0; i<n;
i++ )) do
    echo $a
    fn=$((a+b))
    a=$b
    b=$fn
done
```

**Output:**

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

**Result:**

Hence, the Shell Script to generate the Fibonacci series was executed successfully.