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
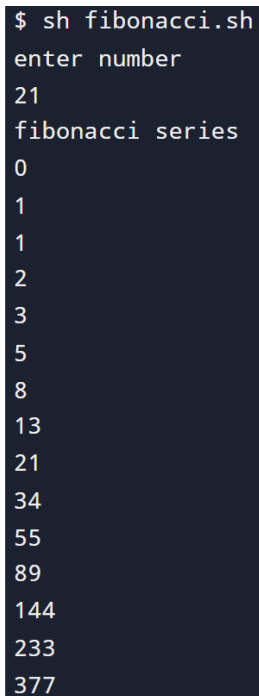
SHELL SCRIPT – FIBBONACCI SERIES

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.