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**Ex. No.: 3a)**

**Shell Script – Reverse of Digit**

**Aim:**

To write a Shellscript to reverse a given digit using looping statement**.**

**Program:**

echo " enter number " read n

rev=0

while [ $n -gt 0 ] do

d=`expr $n % 10`

rev=$(echo "$rev \* 10 + $d"|bc) n=`expr $n / 10`

done echo $rev

**OUTPUT:-**

123

321

**Ex. No.: 3b)**

**Shell Script – Fibonacci Series**

**Aim:**

To write a Shellscript to generate a Fibonacci series using for loop.

**Program:**

echo "enter number" read n

a=-1

b=1

echo "fibonacci series" for((i=1;i<=$n;i++)) do

c=$(echo "$a + $b"|bc) echo $c

a=$b b=$c done

**OUTPUT:-**

21

fibonacci series 0

1

1

2

3

5

8

13

21

34

55

89

144

233

377