

## Ex. No: 3a) Shell Script – Reverse of Digit

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### Program :

```
echo "Enter the digit:"
read n
rev=0
while [ $n -gt 0 ]
do
d=`expr $n % 10`
rev=`expr $rev \* 10 + $d`
n=`expr $n / 10`
done
echo "The reversed number is $rev"
```

### OUTPUT :

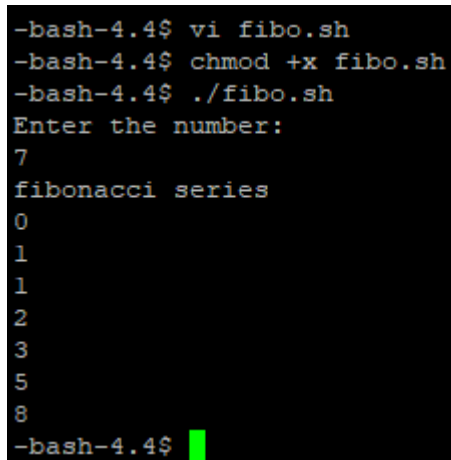
```
-bash-4.4$ vi reverse.sh
-bash-4.4$ chmod +x reverse.sh
-bash-4.4$ ./reverse.sh
Enter the digit:
1234
The reversed number is 4321
-bash-4.4$
```

## Ex. No.: 3b) Shell Script – Fibonacci Series

### Program :

```
echo &quot;Enter the number:&quot;
read n
a=0
b=1
echo &quot;fibonacci series&quot;
echo &quot;$a&quot;
echo &quot;$b&quot;
for (( i=3; i<=n; i++ ))
do
c=`expr $a + $b`
echo &quot;$c&quot;
a=$b
b=$c
done
```

### OUTPUT :



```
-bash-4.4$ vi fibo.sh
-bash-4.4$ chmod +x fibo.sh
-bash-4.4$ ./fibo.sh
Enter the number:
7
fibonacci series
0
1
1
2
3
5
8
-bash-4.4$
```

