

E x . N o . : 3 a)

Roll No. :230701091

Date:29-01-2025

Shell Script – Reverse of Digit

Aim:

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

Program:

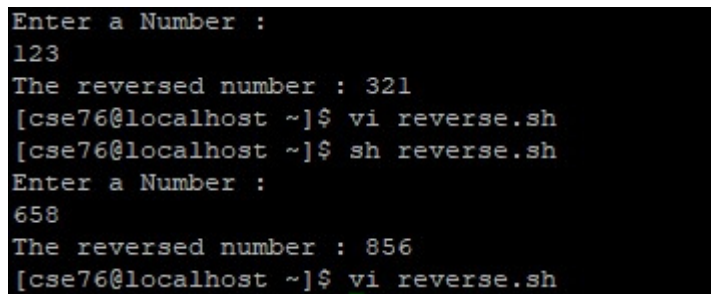
```
echo "Enter a Number :"  
read n
```

```
r=0
```

```
while [ $n -gt 0 ]  
do  
    d=`expr $n % 10`  
    r=`expr $r \* 10 + $d`  
    n=`expr $n / 10`  
done
```

```
echo "The reversed number : $r"
```

Result :



```
Enter a Number :  
123  
The reversed number : 321  
[cse76@localhost ~]$ vi reverse.sh  
[cse76@localhost ~]$ sh reverse.sh  
Enter a Number :  
658  
The reversed number : 856  
[cse76@localhost ~]$ vi reverse.sh
```

E x . N o . : 3 b)

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Shell Script – Fibbonacci Series

Aim:

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

Program:

```
echo "Enter the Number :"  
read n  
a=0  
i=0  
b=1  
i=0  
  
while [ $i -lt $n ]  
do  
c=`expr $a + $b`  
echo " $a "  
a=$b  
b=$c  
i=`expr $i + 1`  
  
done
```

Result :

```
[cse76@localhost ~]$ sh fib.sh  
Enter the Number :  
5  
0  
1  
1  
2  
3  
[cse76@localhost ~]$ sh fib.sh  
Enter the Number :  
21  
0  
1  
1  
2  
3  
5  
8  
13  
21  
34  
55  
89  
144  
233  
377  
610  
987  
1597  
2584  
4181  
6765
```