

OS LAB MANUAL

(CS23431)

Lab:3

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1) Shell Script – Reverse of Dig

Aim: Reverse of Digit To write a Shell script to reverse a given digit using looping statement.

Program: `echo -n "Enter a number:`

```
" read num reverse=0 while [  
$num -ne 0 ] do digit=$((num %  
10)) reverse=$((reverse * 10 +  
digit))
```

```
num=$((num / 10)) done
```

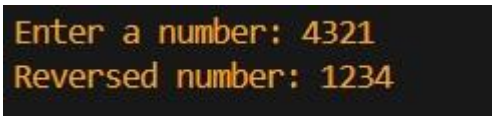
```
echo "Reversed number: $reverse"
```

input:



```
Enter a number: 4321
```

Output:



```
Enter a number: 4321  
Reversed number: 1234
```

2) Shell Script – Fibonacci Series

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

```
Program: echo -n "Enter the number of terms for the
Fibonacci series: " read n a=0 b=1 echo "Fibonacci series up
to $n terms:" for i in $(seq 1 $n)
do
    echo -n "$a "
    temp=$((a + b))
    a=$b    b=$temp
done
echo
```

Input:

```
$ ./calculator.sh
Enter the number of terms for the Fibonacci series: 6
```

Output:

```
Fibonacci series up to 6 terms:
0 1 1 2 3 5
```