OS Lab Assignment - 13

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Section -: C

Roll No. -: 31

Subject -: Operating System Lab (BCSC 0803)

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NOTE: *Github link for Script*

Write a shell script that print reverse of a given positive number.

```bash
# !/usr/bin/bash

# For run this shell script use this syntax "sh ReverseNumber.sh"

# This command for clear all running statement in terminal
clear
echo "----------------------------------------------------------"
echo "\t Reverse of  Entered Number"
echo "----------------------------------------------------------"

read -p "Please enter a positive number: " number
echo

# store original number
on=$number

# store single digit number
sd=0

# store reverse number
rev=""

# use while loop to caclulate the sum of all digits
while [ $number -gt 0 ]
do
    sd=$(($number % 10)) # get Remainder
    number=$(($number / 10)) # get next digit
    # store previoues number and current digit in rev
    rev=$( echo $rev$sd )
done

echo "$on in a reverse order $rev"
echo "---------------------------------------------------------"
echo
echo "Thank you !"
```

OUTPUT:

```
--------------------------------------------------------
        Reverse of  Entered Number
--------------------------------------------------------
Please enter a positive number: 123456

123456 in a reverse order 654321
--------------------------------------------------------

Thank you !
```
`/home/ldrago/Desktop/BASH/13` `master ?36` ✔ `4s` `root@kali` `12:52:57 AM`

```
--------------------------------------------------------
        Reverse of  Entered Number
--------------------------------------------------------
Please enter a positive number: 12000

12000 in a reverse order 00021
--------------------------------------------------------

Thank you !
```
`/home/ldrago/Desktop/BASH/13` `master ?36` ✔ `root@kali` `12:53:21 AM`