

EX.NO:3A

DATE:

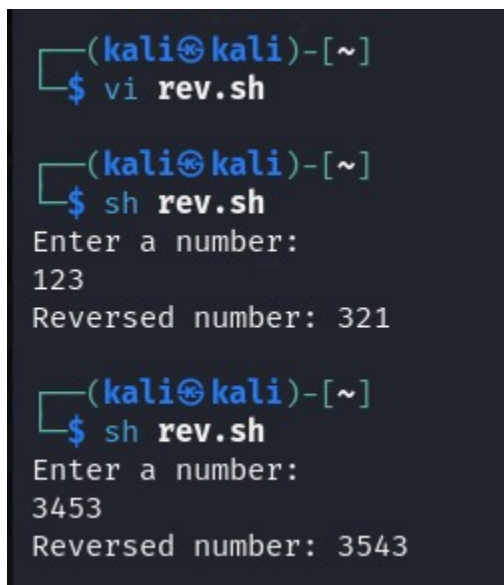
SHELL SCRIPT

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

PROGRAM:

```
echo "Enter a number:"
read n
reverse=0
while [ $n -ne 0 ]; do
    remainder=$((n % 10))
    reverse=$((reverse * 10 + remainder))
    n=$((n / 10))
done
echo "Reversed number: $reverse"
```

INPUT & OUTPUT:

A terminal window with a dark background and light blue text. The prompt is '(kali㉿kali)-[~]'. The user enters '\$ vi rev.sh'. The prompt changes to '\$ sh rev.sh'. The user enters 'Enter a number:' followed by '123'. The output is 'Reversed number: 321'. The prompt changes back to '(kali㉿kali)-[~]'. The user enters '\$ sh rev.sh'. The user enters 'Enter a number:' followed by '3453'. The output is 'Reversed number: 3543'.

```
(kali㉿kali)-[~]
$ vi rev.sh

(kali㉿kali)-[~]
$ sh rev.sh
Enter a number:
123
Reversed number: 321

(kali㉿kali)-[~]
$ sh rev.sh
Enter a number:
3453
Reversed number: 3543
```

RESULT:

Hence, reversing number using shell script is executed successfully.