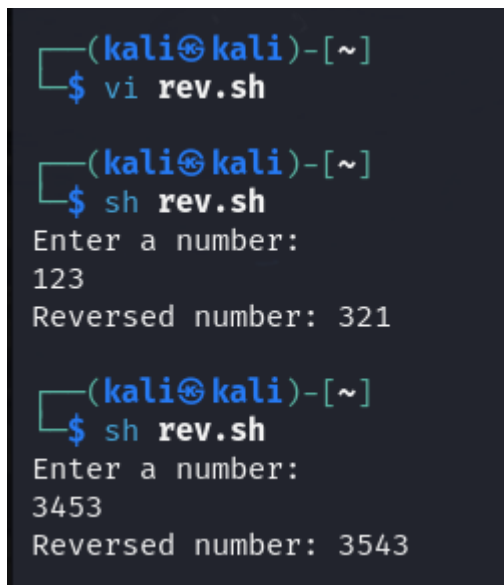


**EX.NO:3A****DATE:****SHELL SCRIPT****AIM:** To write a Shell script to reverse a given digit using looping statement.**PROGRAM:**

```
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 screenshot of a terminal window with a dark background. The prompt is (kali@kali)-[~]. The user enters 'vi rev.sh' and presses enter. The prompt changes to (kali@kali)-[~]\$. The user enters 'sh rev.sh' and presses enter. The prompt changes to (kali@kali)-[~]\$. The script prompts 'Enter a number:' and the user enters '123'. The script outputs 'Reversed number: 321'. The user presses enter, and the prompt changes to (kali@kali)-[~]\$. The user enters 'sh rev.sh' and presses enter. The prompt changes to (kali@kali)-[~]\$. The script prompts 'Enter a number:' and the user enters '3453'. The script outputs 'Reversed number: 3543'.**RESULT:**

Hence, reversing number using shell script is executed successfully.