

Ex. No.: 3a)

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Name: Sarvesh

Roll no.: 230701294

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 num

reverse=0
while [ $num -gt 0 ]
do
remainder=$(( num % 10 ))
reverse=$(( reverse * 10 + remainder
)) num=$(( num / 10 ))
done

echo "Reversed number: $reverse"
```

Sample Input and Output

Run the program using the below command

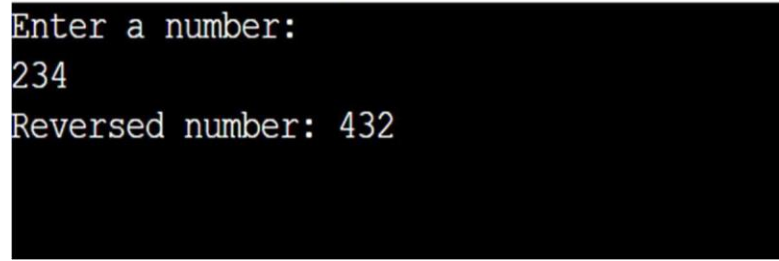
[REC@local host~]\$sh indhu.sh

enter number

123

321

Output:

A terminal window with a black background and white text. The prompt is not visible. The first line shows 'Enter a number:'. The second line shows the input '234'. The third line shows the output 'Reversed number: 432'.

```
Enter a number:
234
Reversed number: 432
```

Result:

The Shell script to reverse a given digit using a looping statement was executed and the output has been verified.