

**Ex. No.: 3a)**

### **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**

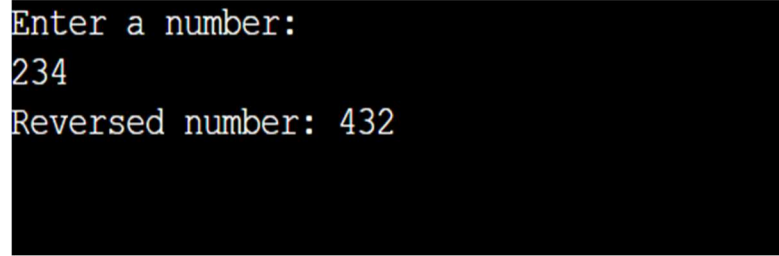
#### **Run the program using the below command**

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

enter number

123

321

A terminal window with a black background and white text. It shows the prompt 'Enter a number:', the input '234', and the output 'Reversed number: 432'.

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

#### **Result:**

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