DEVOPS BATCH

Task

Shell Scripting

13 - Tasks

PROVIDED BY RAYMA MAM

Working on these tasks boosted my confidence and gave me hands-on experience with real-time scenarios.

1ST - TASK

To Display
Even or Odd

```
  GNU nano 8.3
#!/bin/bash
echo "Enter the number"
read num
if [ $(($num%2)) -eq 0 ]
then
echo "Given $num is Even"
else
echo "Given $num is Odd"
fi
```

```
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.
[ec2-user@ip-172-31-17-63 ~]$ bash carrot.
Enter the number
7
Given 7 is Odd
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.
[ec2-user@ip-172-31-17-63 ~]$ bash carrot.
Enter the number
8
Given 8 is Even
[ec2-user@ip-172-31-17-63 ~]$
```

Even or Odd

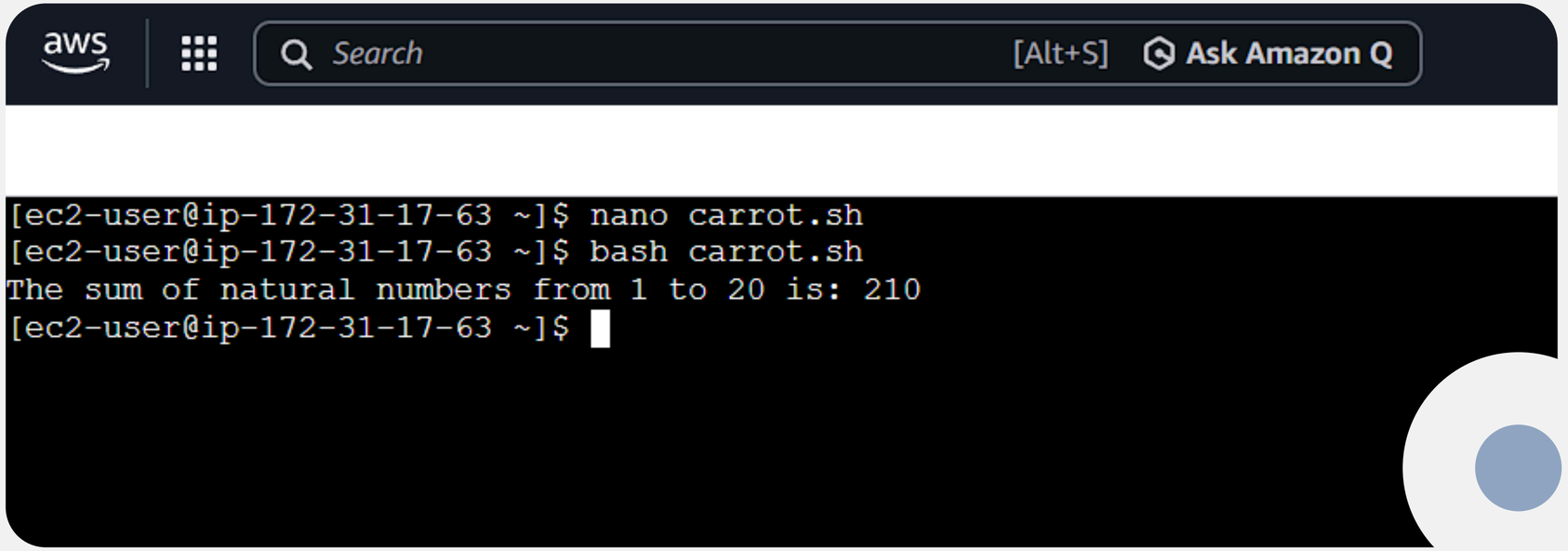
GETING INPUT NUMBER
BY THE USER

2ND - TASK

To Display

Sum of natural number from 1 -20

```
[ec2-user@ip-172-31-17-63 ~]$ bash carrot.sh
Enter the number
7
Given 7 is Odd
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.sh
[ec2-user@ip-172-31-17-63 ~]$ bash carrot.sh
Enter the number
8
Given 8 is Even
```

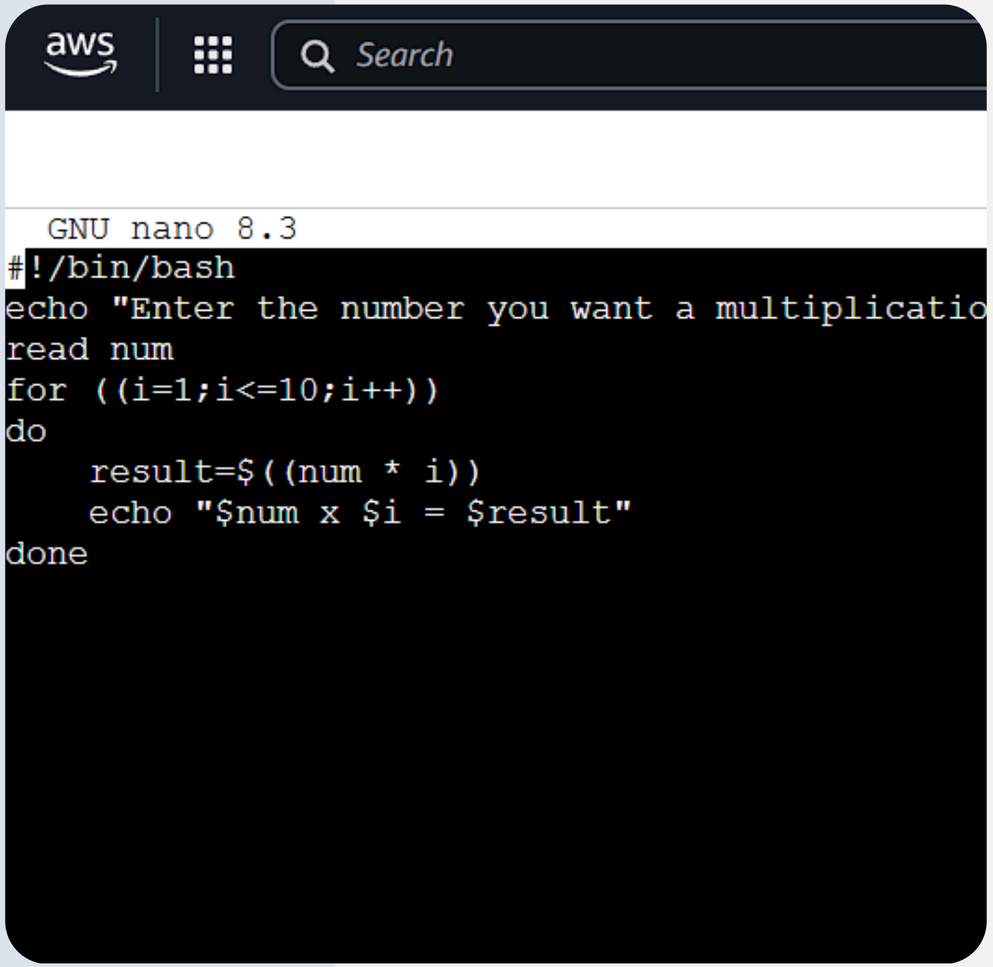


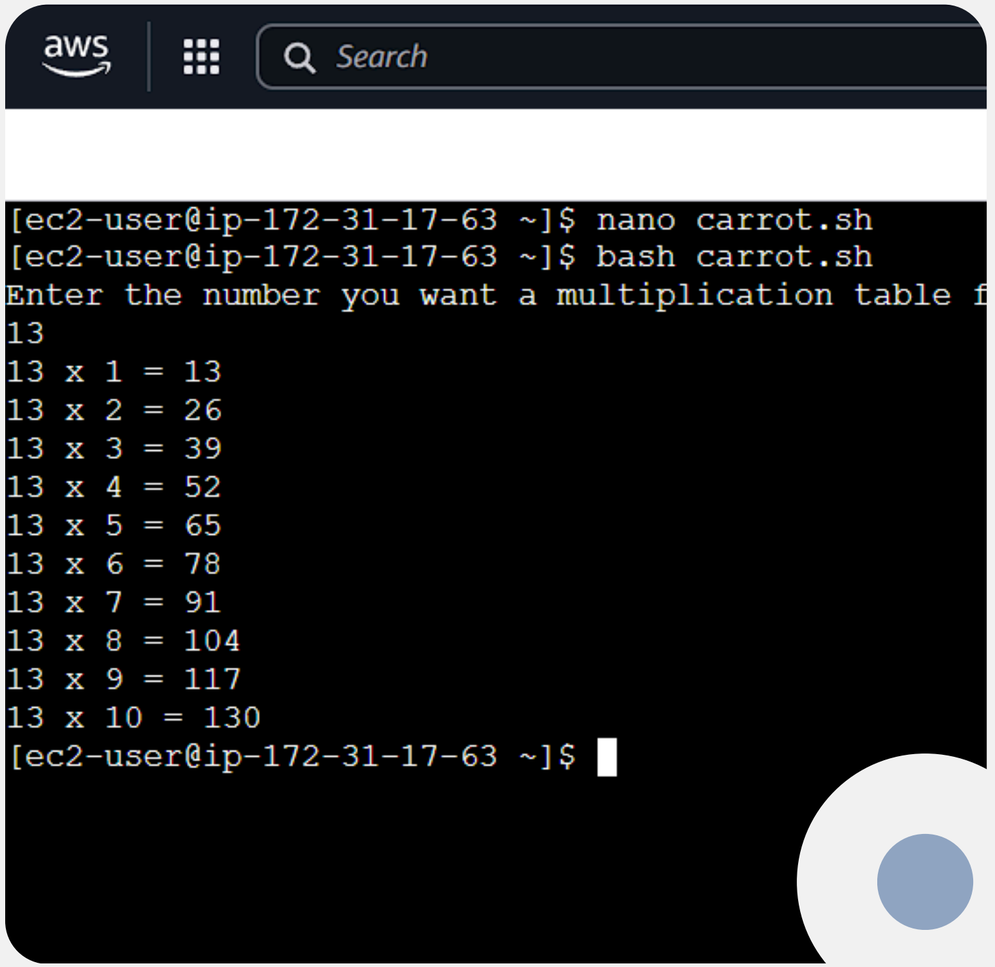
1 to 20 num

To Display

multiplication Table

3RD - TASK





To Display

Positive or Negative

user input

POSITIVE OR NEGATIVE

4TH - TASK

aws Search

```
  GNU nano 8.3
#!/bin/bash
echo "Enter the number"
read num
if [ $num -lt 0 ]
then
echo "$num is negative"
elif [ $num -eq 0 ]
then
echo "$num is whole number"
else
echo "$num is Positive"
fi
```

aws Search [Alt+S]

```
  ,     #_
  ~\_  ####_        Amazon Linux 2023
 ~~  \_#####\
 ~~     \###|
 ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
  ~~       V~' '->
   ~~~         /
     ~~._.   _/
        _/ _/
      _/m/'
Last login: Tue Dec 30 12:43:42 2025 from 13.48.4.202
[ec2-user@ip-172-31-43-182 ~]$ nano num.sh
[ec2-user@ip-172-31-43-182 ~]$ bash num.sh
Enter the number
-3
-3 is negative
[ec2-user@ip-172-31-43-182 ~]$ bash num.sh
Enter the number
0
0 is whole number
[ec2-user@ip-172-31-43-182 ~]$ bash num.sh
Enter the number
7
7 is Positive
[ec2-user@ip-172-31-43-182 ~]$ nano num.sh
[ec2-user@ip-172-31-43-182 ~]$
```

i-0b8d7c1f51f95c033 (carrot)

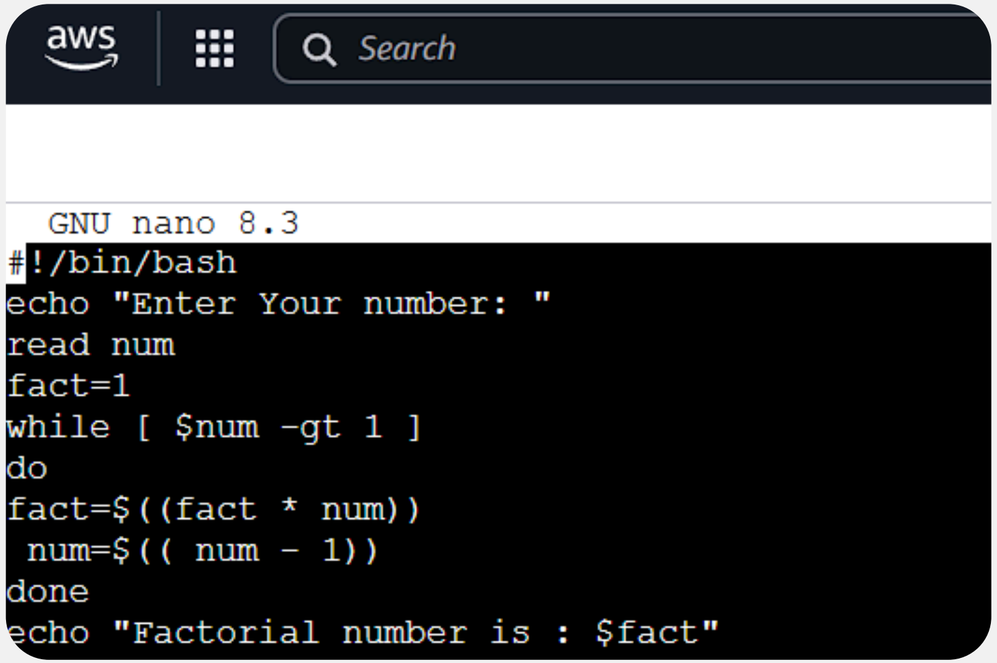
6TH - TASK

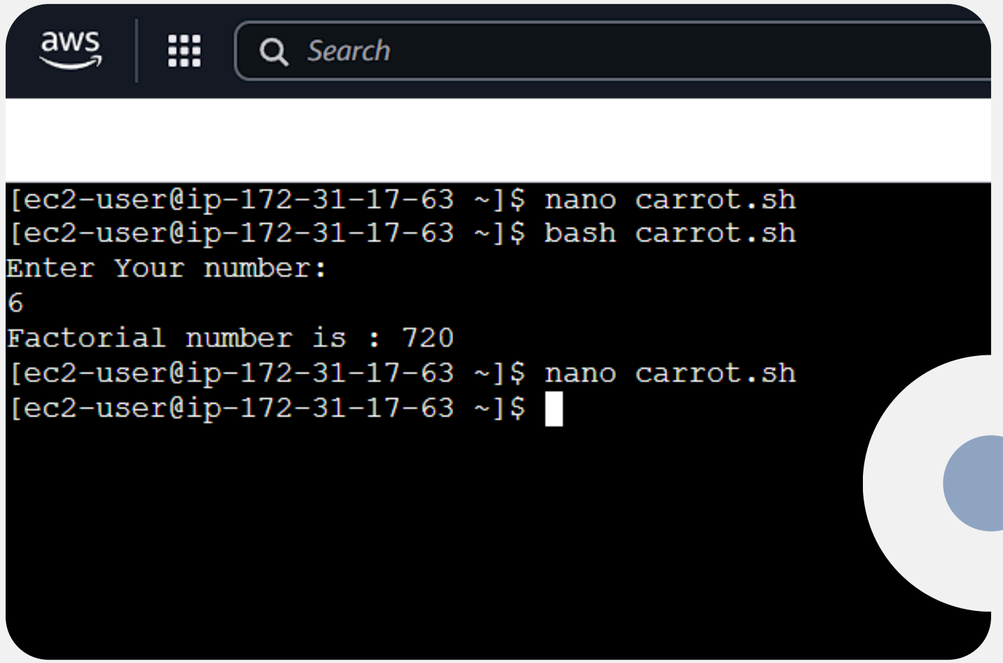
Factorial number

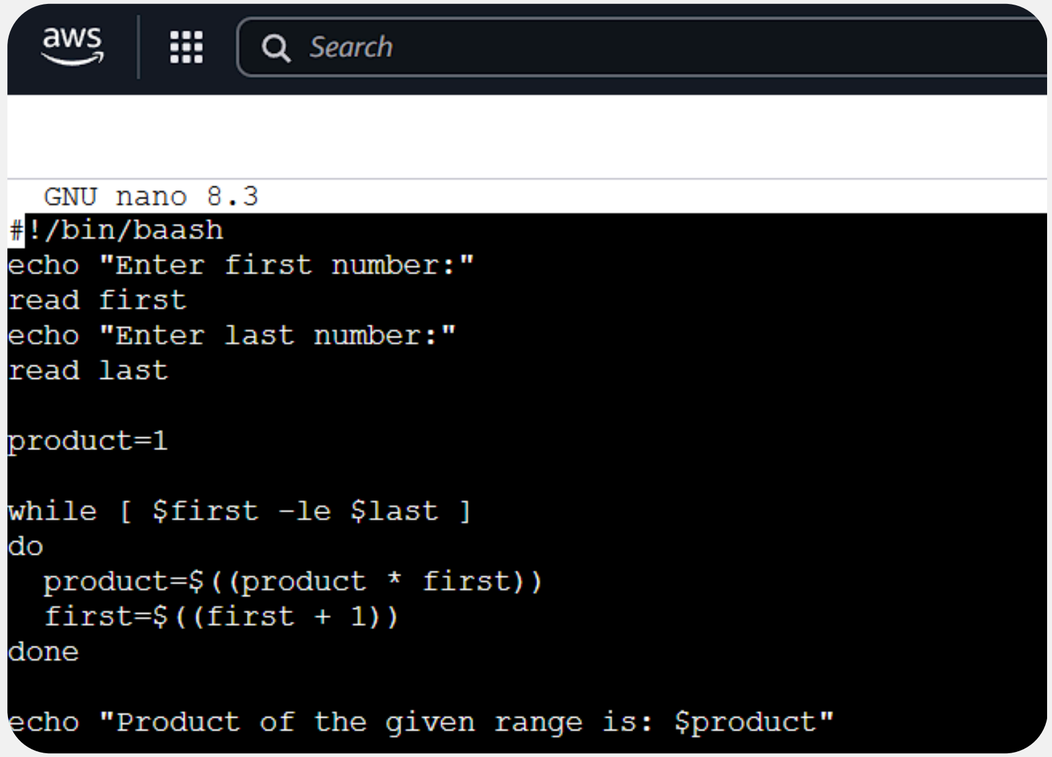
TO DISPLAY FACTORIAL NUMBER

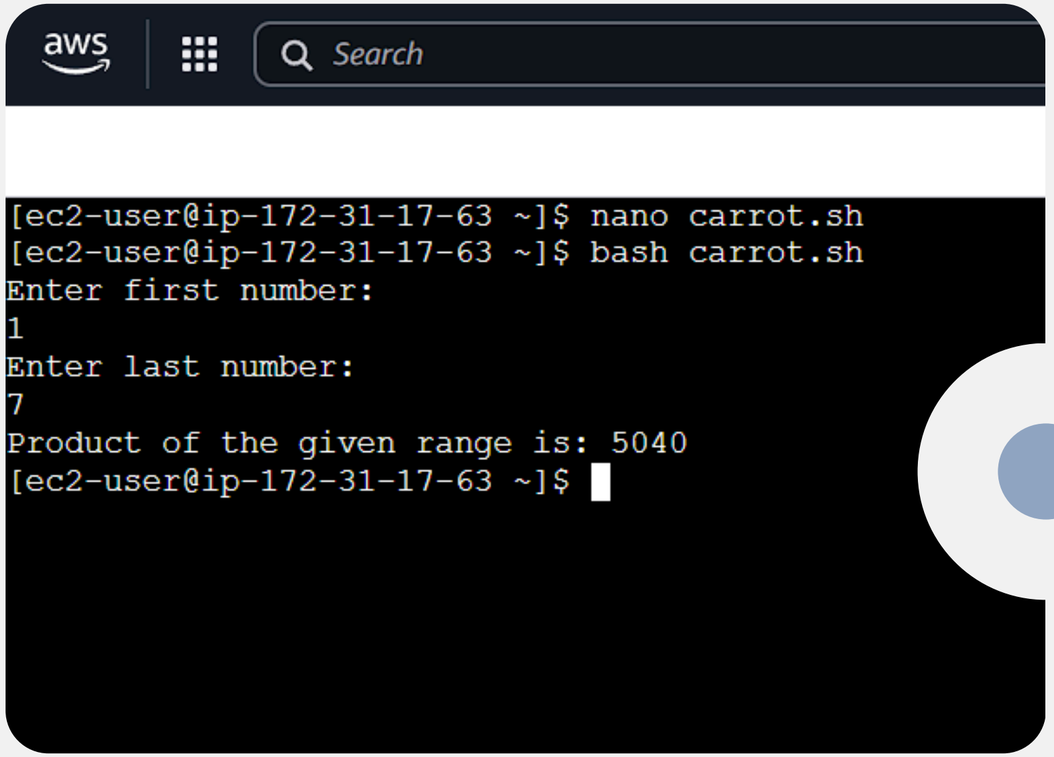
To Display

Calculate Factorial number









To Display - **count of digits number**

7TH - TASK

8TH - TASK

To Display

print product of number

product

```
  GNU nano 8.3
#!/bin/baash
echo "Enter the number of sum digit"
read num
sum=0
num1=$num
while [ $num -gt 0 ]
do
digit=$((num % 10))
sum=$((sum + digit))
num=$((num / 10 ))
done
echo "the sum of the $num1 is $sum"
```

```
       #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/a
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
Last login: Wed Dec 31 13:10:08 2025 from 13.48.4.2
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.sh
[ec2-user@ip-172-31-17-63 ~]$ bash carrot.sh
Enter the number of sum digit
364
the sum of the 364 is 13
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.sh
[ec2-user@ip-172-31-17-63 ~]$
```

10TH - TASK

Arithmetic operation

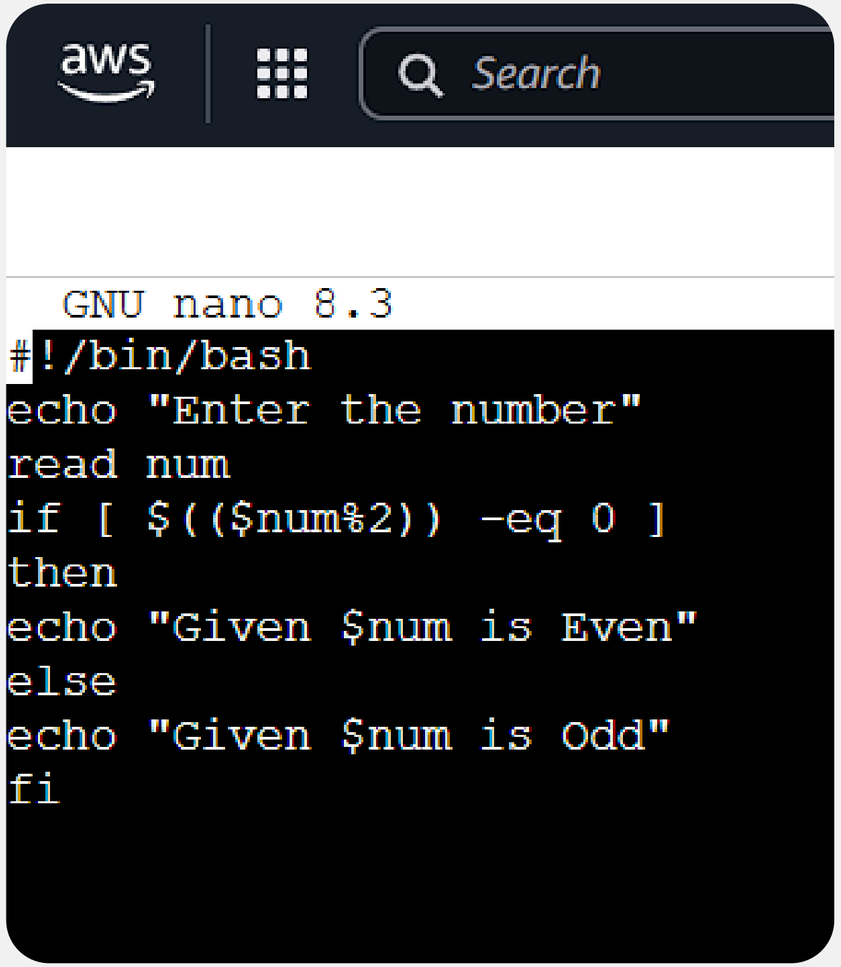
Between 2 - num

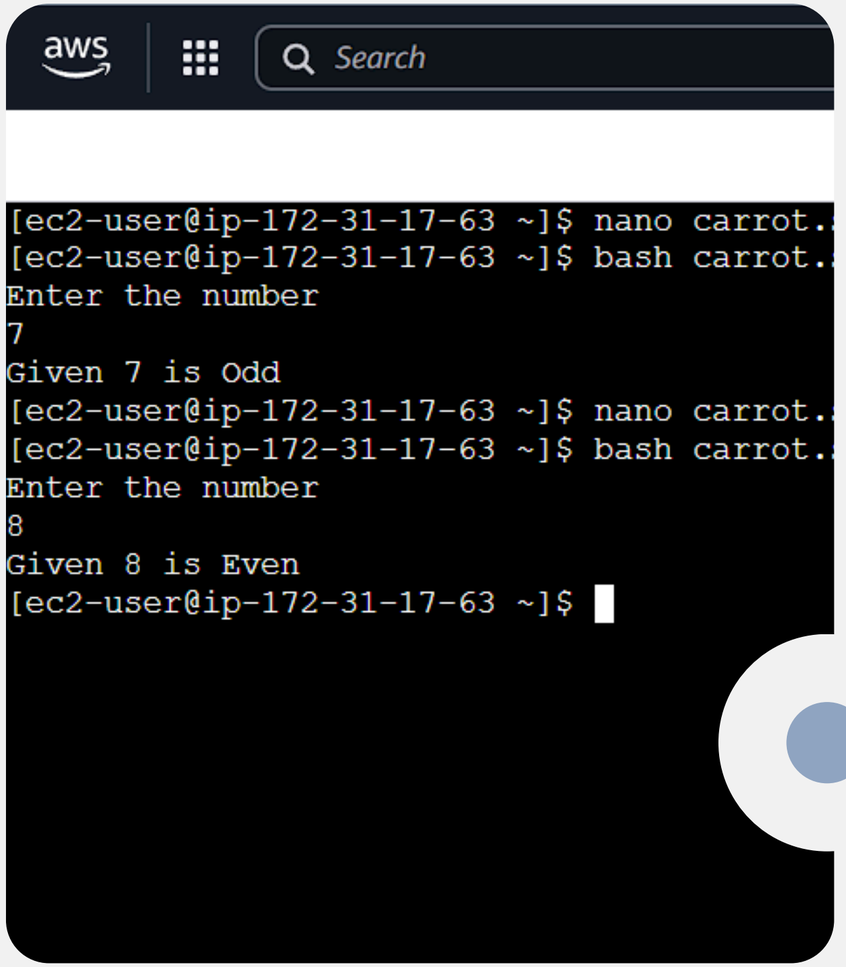
```
GNU nano 8.3
#!/bin/bash

echo "Enter first number:"
read a

echo "Enter second number:"
read b

echo "Choose operation:"
echo "1. Addition"
echo "2. Subtraction"
echo "3. Multiplication"
echo "4. Division"

read choice

case $choice in
  1) result=$((a + b))
     echo "Addition: $result" ;;
  2) result=$((a - b))
     echo "Subtraction: $result" ;;
  3) result=$((a * b))
     echo "Multiplication: $result" ;;
  4) result=$((a / b))
     echo "Division: $result" ;;
  *) echo "Invalid choice" ;;
esac
```

```
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.sh
[ec2-user@ip-172-31-17-63 ~]$ bash carrot.sh
Enter first number:
12
Enter second number:
13
Choose operation:
1. Addition
2. Subtraction
3. Multiplication
4. Division
2
Subtraction: -1
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.sh
[ec2-user@ip-172-31-17-63 ~]$
```

11TH - TASK

To Display
Even or Odd





To Display

login

12TH - TASK

aws Search [Alt+S] Ask Amazon Q

```
 GNU nano 8.3                                                carrot.sh
#!/bin/bash
echo "Enter your Name:"
read name
echo "Enter your Password:"
read passwd
correctname=shyam
correctpassword=Shyam@3377
if [ "$name" = "$correctname" ] && [ "$passwd" = "$correctpassword" ]
then
 echo "Your login is successfully completed"
else
 echo "sorry your login has some mistake pls check whether the name & password is correct or not"
fi
```

aws Search [Alt+S] Ask Amazon Q

```
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.sh
[ec2-user@ip-172-31-17-63 ~]$ bash carrot.sh
Enter your Name:
shyam
Enter your Password:
Shyam@3377
Your login is successfully completed
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.sh
[ec2-user@ip-172-31-17-63 ~]$
```

To Display

odd & even between range

13TH - TASK

aws Search

```
  GNU nano 8.3
#!/bin/bash
echo "Enter First number:"
read first

echo "Enter last number:"
read last

echo "Odd numbers in the given range are:"

while [ $first -le $last ]
do
  if [ $((first % 2)) -ne 0 ]
 then
    echo $first
  fi
  first=$((first + 1))
done
```

aws Search

```
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.sh
[ec2-user@ip-172-31-17-63 ~]$ bash carrot.sh
Enter First number:
20
Enter last number:
30
Odd numbers in the given range are:
21
23
25
27
29
[ec2-user@ip-172-31-17-63 ~]$ nano carrot.sh
[ec2-user@ip-172-31-17-63 ~]$
```

Completed Task

Thankyou

shell scripting tasks has been completed