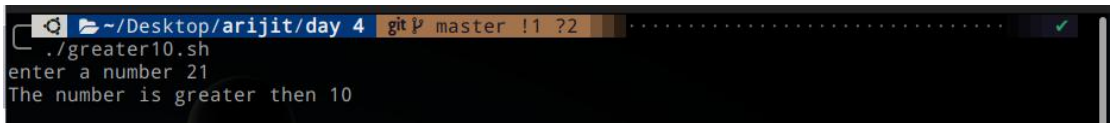
Day 4

1. **Problem :** Check weather a number is greater than 10.

Solution :

```
echo -n "enter a number "
read num
if [ $num -gt 10 ]
then
echo "The number is greater then 10"
else
echo "the noumber smaller then 10"
fi
```

Output :



2. **Problem :** Greater between 3 numbers.

Solution :

```
read -p "Enter 1st number " num1
read -p "Enter 2nd number " num2
read -p "Enter 3rd number " num3

if [ $num2 -gt $num1 ]
then
if [ $num2 -gt $num3 ]
then
echo "Num 2 is greater"
else
echo "Num 3 is greater"
fi
else
if [ $num1 -gt $num3 ]
then
echo "Num 1 is greater"
else
echo "Num 3 is greater"
fi
fi
```

Output :

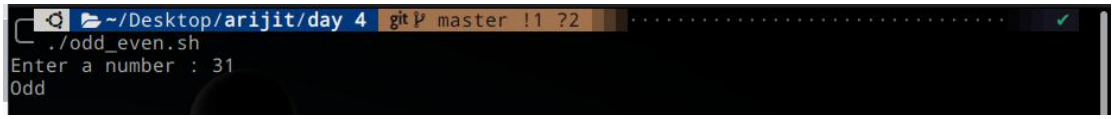
3. **Problem :** Check Odd or Even.

Solution :

```
read -p "Enter a number : " num

if [ $(($num % 2)) -eq 0 ]
then
echo "Even"
else
echo "Odd"
fi
```

Output :



4. **Problem :** Print 1 to 10.

Solution :

```
for num in {1..10}
do
echo $num
done
```

Output :

5. **Problem :** Print 1 to 10 in reverse.

Solution :

```
for num in {10..1}
do
echo $num
done
```

Output :

6. **Problem :** Factorial of a given number.

Solution :

```
read -p "Enter a number : " number
factorial=1
while [ $number -gt 1 ]
do
factorial=$(($factorial*$number))
number=$(($number-1))
done
echo $factorial
```

Output :