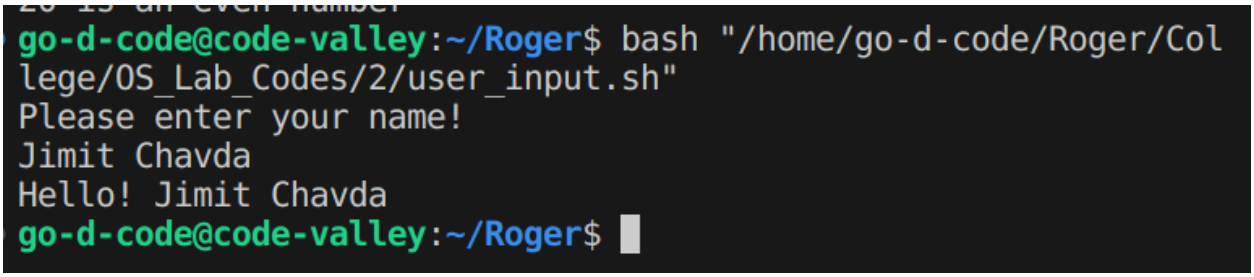
Practical 2

1) Write a bash script to print from user input.

Code:

```
echo "Please enter your name!"
read name
echo "Hello! $name"
```

Output:

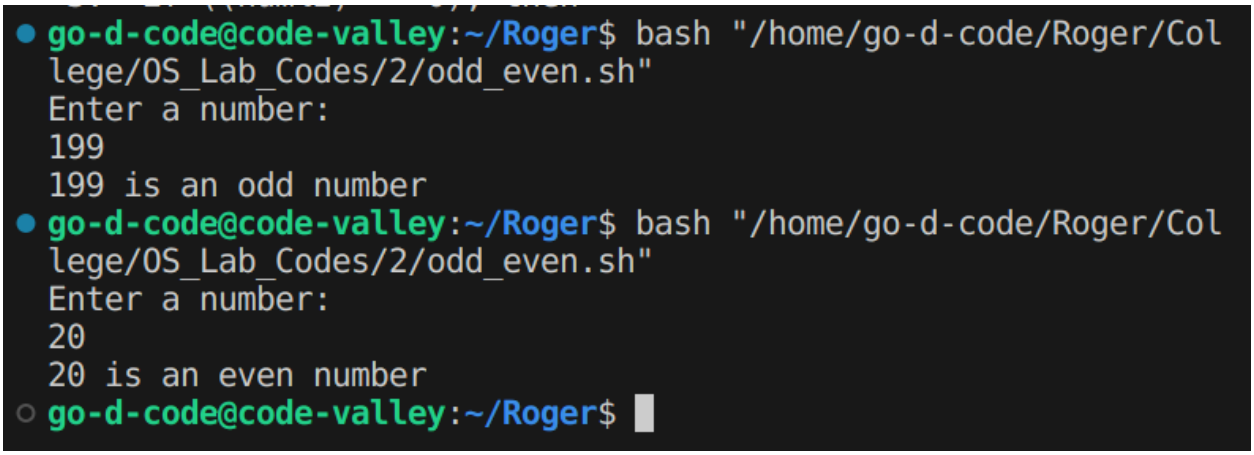


2) Write a bash script to find whether a number is even or odd.

Code;

```
echo "Enter a number:"
read num
if ((num % 2 == 0)); then
   echo "$num is an even number"
else
   echo "$num is an odd number"
fi
```

Output:



3) Write a bash script to print the table of a given number.

Code:

```
echo "Enter a number:"
read num
for ((i = 1; i < 11; i++)); do
    result=$((num * i))
    echo "$num * $i = $result"
done
```

Output:

4) Write a bash script to check whether a given no. is prime or not.

Code:

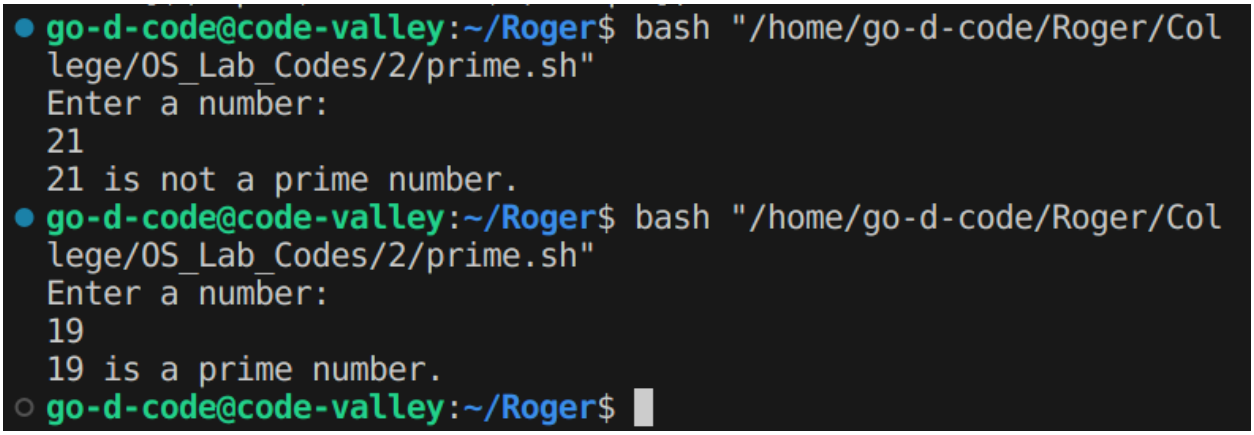
```
echo "Enter a number:"
read number
i=2

if [ $number -lt 2 ]; then
    echo "$number is not a prime number."
    exit
fi

while [ $i -lt $number ]; do
```

```
    if [ $((number % i)) -eq 0 ]; then
        echo "$number is not a prime number."
        exit
    fi
    i=$((i + 1))
done
echo "$number is a prime number."
```

Output:



5) Write a bash script to find the simple interest.

Code:

```
echo "Enter the principle amount:"
read pamount
echo "Enter the interest rate:"
read interest
echo "Enter the number of years:"
read years
net_interest=$((pamount * interest * years / 100))
echo "total return value is $net_interest"
```

Output:

```
go-d-code@code-valley:~/Roger$ bash "/home/go-d-code/Roger/Col
lege/OS_Lab_Codes/2/interest.sh"
Enter the principle amount:
10000
Enter the interest rate:
10
Enter the number of years:
5
total return value is 5000
go-d-code@code-valley:~/Roger$
```