Task 2:

done

Write a script that reads numbers from the user until they enter '0'. The script should also print whether each number is odd or even.

Here's a Linux shell script that reads numbers from the user until they enter '0'. The script also prints whether each number is odd or even:

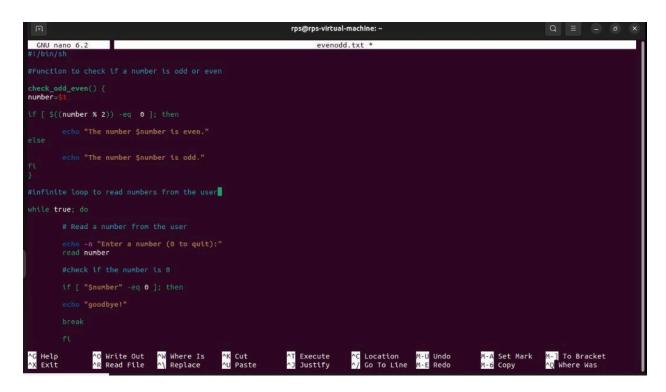
```
#!/bin/bash
# Function to check if a number is odd or even
check_odd_even() {
  number=$1
  if [ $((number % 2)) -eq 0 ]; then
     echo "The number $number is even."
  else
     echo "The number $number is odd."
  fi
}
# Infinite loop to read numbers from the user
while true; do
  # Read a number from the user
  echo -n "Enter a number (0 to quit): "
  read number
  # Check if the number is 0
  if [ "$number" -eq 0 ]; then
     echo "Goodbye!"
     break
  fi
  # Check if the input is a valid number
  if ! [[ "$number" =~ ^{-}[0-9]+$ ]]; then
     echo "Please enter a valid number."
     continue
  fi
  # Call the function to check if the number is odd or even
  check_odd_even $number
```

To use this script, follow these steps:

Step1: Open a text editor and create a new file (e.g., 'evenodd.txt').

Step 2: Write the script above into the new file.

Step 3: Save the file.



Step 4: Make the script executable by running the following command in the terminal:

chmod 777 evenodd.txt

Step 5: Run the script by typing the following command in the terminal:

./evenodd.txt

You will be prompted to enter numbers. The script will print whether each number is odd or even. If you enter '0', the script will terminate and print "Goodbye!". If you enter a non-numeric value, the script will prompt you to enter a valid number.

