

Assignment 2: 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.

```
#!/bin/bash

while true; do

    # Read 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 "Exiting the script."
        break
    fi

    # Check if the number is even or odd
    if [ $((number % 2)) -eq 0 ]; then
        echo "$number is even."
    else
        echo "$number is odd."
    fi
done
```

1. Create a Shell Script File: Open a terminal and create a new file, e.g., odd_even.sh.

-->nano odd_even.sh

2. Paste the Script: Copy the above script and paste it into the odd_even.sh file.

3. Save and Exit: Save the file and exit the text editor (for nano, press Ctrl+X, then Y, then Enter).

4. Make the Script Executable: Give execute permission to the script.

```
-->chmod +x odd_even.sh
```

5. Run the Script: Execute the script.

```
-->./odd_even.sh
```