

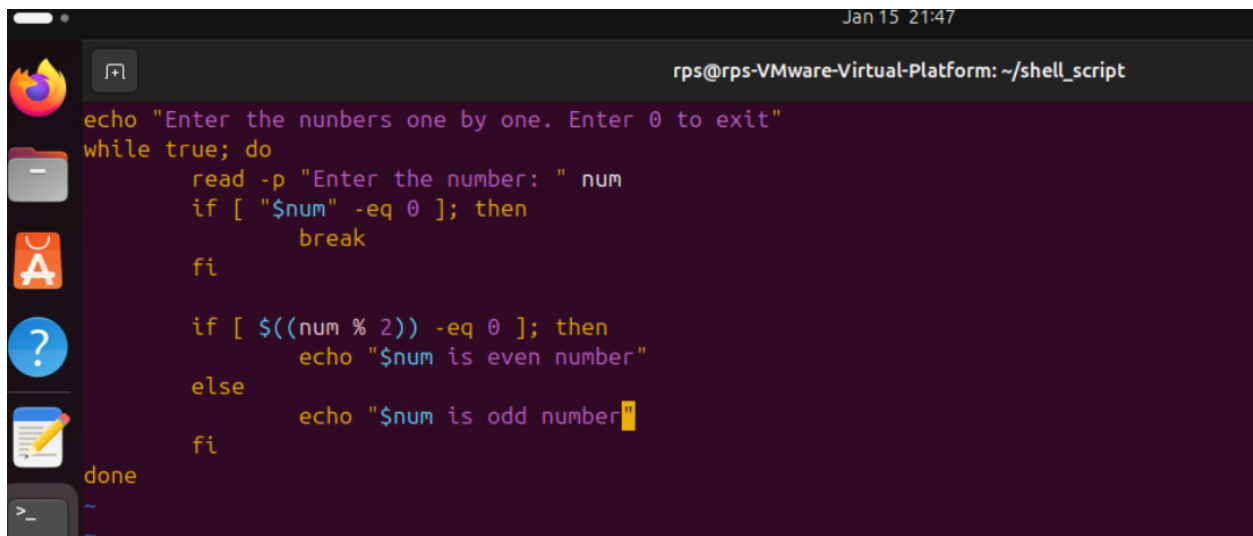
Assignment-2

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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.

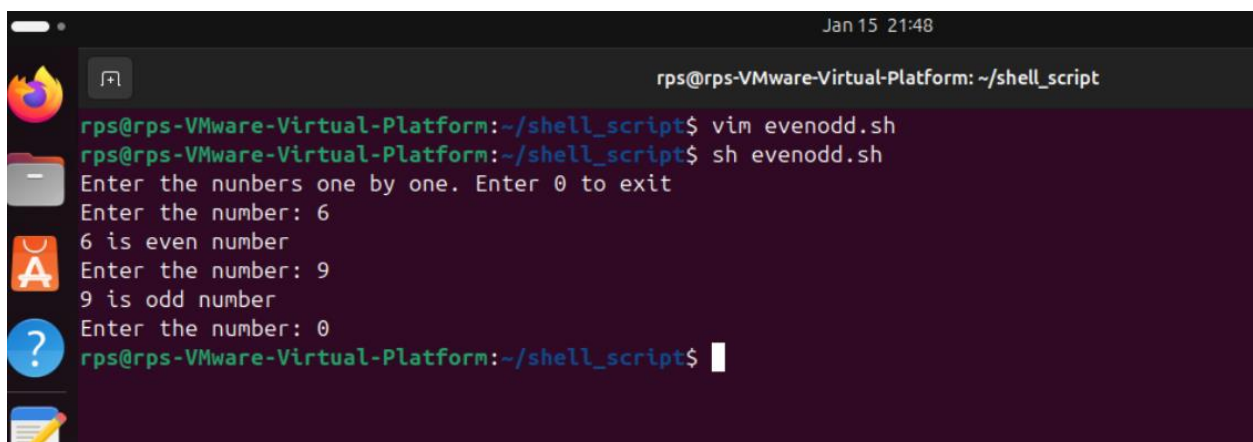
Shell script code with the name of evenodd.sh:

A screenshot of a terminal window with a dark background. The title bar shows the date and time as 'Jan 15 21:47'. The terminal prompt is 'rps@rps-VMware-Virtual-Platform: ~/shell_script'. The code being displayed is a shell script that uses a while loop to read numbers from the user. It checks if the number is 0 to break the loop, and then uses an if statement to check if the number is even or odd based on the modulo operation. The code is as follows:

```
echo "Enter the numbers one by one. Enter 0 to exit"
while true; do
    read -p "Enter the number: " num
    if [ "$num" -eq 0 ]; then
        break
    fi

    if [ $((num % 2)) -eq 0 ]; then
        echo "$num is even number"
    else
        echo "$num is odd number"
    fi
done
```

Commands to run evenodd.sh and checking its function:

A screenshot of a terminal window with a dark background. The title bar shows the date and time as 'Jan 15 21:48'. The terminal prompt is 'rps@rps-VMware-Virtual-Platform: ~/shell_script'. The user has run the command 'vim evenodd.sh' and then 'sh evenodd.sh'. The script has executed, prompting the user to enter numbers. The user has entered 6, 9, and 0. The script has responded with '6 is even number', '9 is odd number', and then stopped at the 'Enter the number: 0' prompt. The commands and output are as follows:

```
rps@rps-VMware-Virtual-Platform:~/shell_script$ vim evenodd.sh
rps@rps-VMware-Virtual-Platform:~/shell_script$ sh evenodd.sh
Enter the numbers one by one. Enter 0 to exit
Enter the number: 6
6 is even number
Enter the number: 9
9 is odd number
Enter the number: 0
rps@rps-VMware-Virtual-Platform:~/shell_script$
```