

Assignment 2

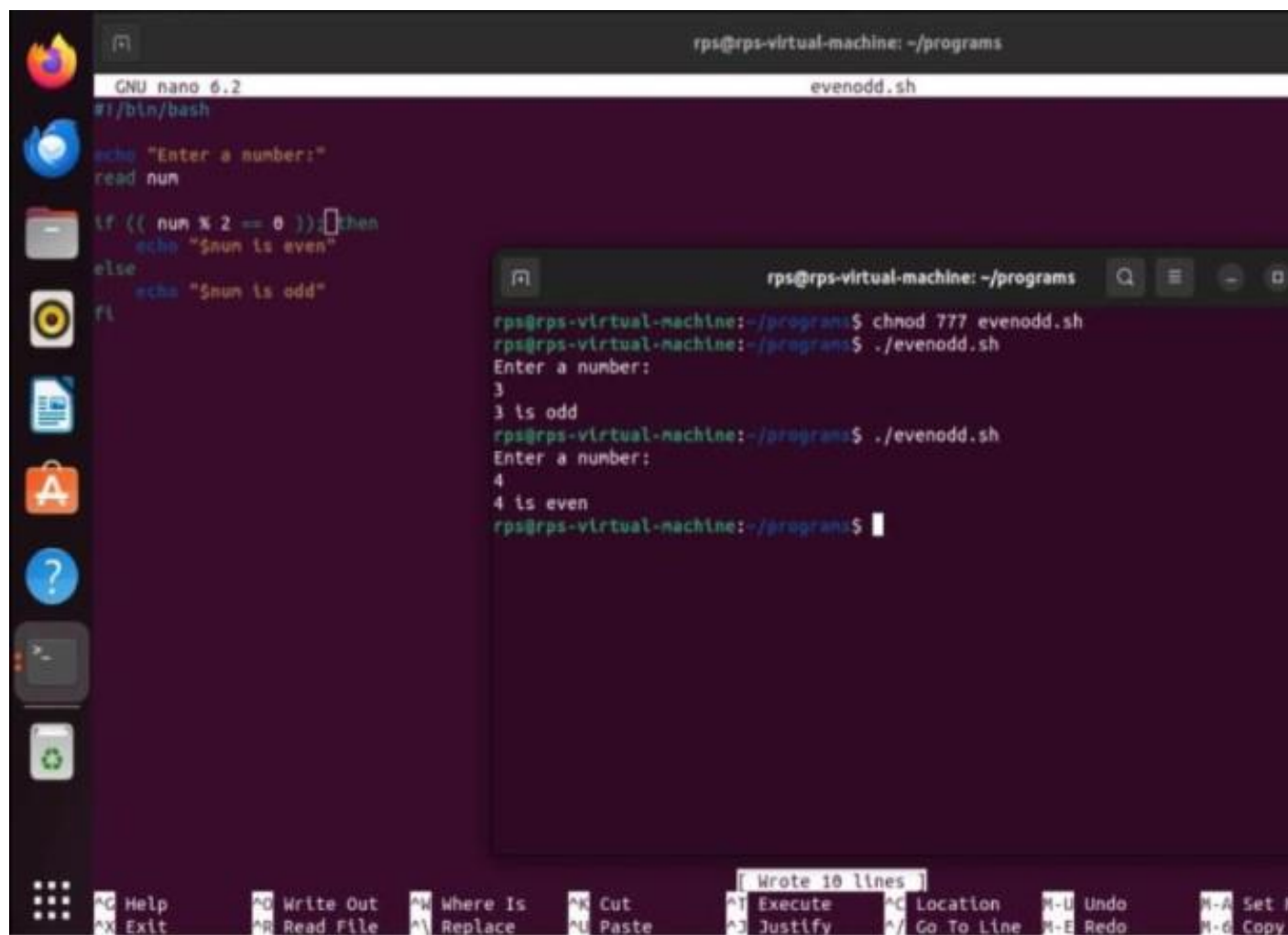
Assignment 2: Write a script that reads numbers from the user until they enter '0'. The script should also print whether each number is odd or even.

Script:

```
#!/bin/sh
echo "enter a number "
read num
if(( num%2==1));
then
echo"even"
else
echo"odd"
fi
```

Output: enter a number :7

7 is odd



The screenshot shows a Linux desktop environment. On the left is a vertical dock with icons for Firefox, Telegram, a file manager, a media player, a document, an application store, a help icon, a terminal, and a trash can. The main area contains two windows. The background window is a terminal titled 'rps@rps-virtual-machine: ~/programs' running GNU nano 6.2, editing a file named 'evenodd.sh'. The script contains a bash shebang, a prompt for a number, and an if-else statement to check if the number is even or odd. The foreground window is another terminal titled 'rps@rps-virtual-machine: ~/programs' showing the execution of the script. It first runs 'chmod 777 evenodd.sh', then './evenodd.sh'. The first run with input '3' outputs '3 is odd', and the second run with input '4' outputs '4 is even'. At the bottom, a nano editor status bar shows various keyboard shortcuts like ^C for Help, ^O for Write Out, ^W for Where Is, ^K for Cut, ^T for Execute, ^G for Location, ^U for Undo, ^_ for Set, ^X for Exit, ^R for Read File, ^\ for Replace, ^V for Paste, ^J for Justify, ^/ for Go To Line, ^E for Redo, and ^D for Copy. A small notification 'Wrote 10 lines' is visible above the status bar.

```
rps@rps-virtual-machine: ~/programs
GNU nano 6.2 evenodd.sh
#!/bin/bash

echo "Enter a number:"
read num

if (( num % 2 == 0 )); then
    echo "$num is even"
else
    echo "$num is odd"
fi

rps@rps-virtual-machine: ~/programs
rps@rps-virtual-machine:~/programs$ chmod 777 evenodd.sh
rps@rps-virtual-machine:~/programs$ ./evenodd.sh
Enter a number:
3
3 is odd
rps@rps-virtual-machine:~/programs$ ./evenodd.sh
Enter a number:
4
4 is even
rps@rps-virtual-machine:~/programs$
```

Wrote 10 lines

^C Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^G Location ^U Undo ^_ Set
^X Exit ^R Read File ^\ Replace ^V Paste ^J Justify ^/ Go To Line ^E Redo ^D Copy