

ASSIGNMENT - 7

Assignment 7: Check Whether the Number is Palindrome or Not

Script:

```
#!/bin/sh

# Check whether the number is palindrome or not

read -p "Enter a number: " number

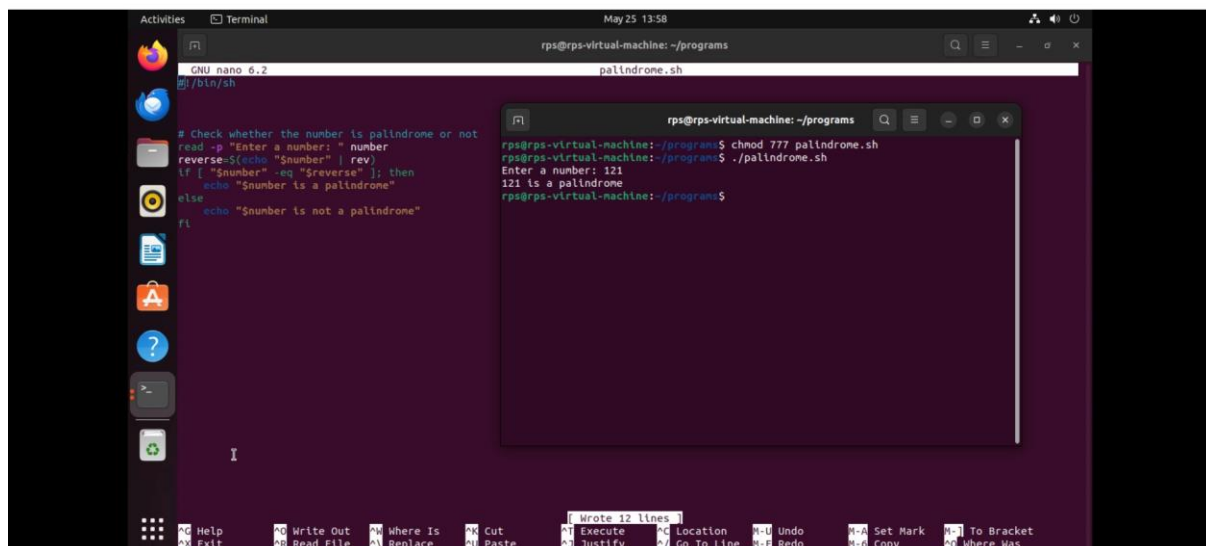
reverse=$(echo "$number" | rev)

if [ "$number" -eq "$reverse" ]; then
    echo "$number is a palindrome"
else
    echo "$number is not a palindrome"
fi
```

Sample Output:

Enter a number: 121

121 is a palindrome



The screenshot shows a terminal window with a dark background. The prompt is `rps@rps-virtual-machine: ~/programs`. The file `palindrome.sh` is open in the `nano` editor. The script content is as follows:

```
#!/bin/sh

# Check whether the number is palindrome or not
read -p "Enter a number: " number
reverse=$(echo "$number" | rev)
if [ "$number" -eq "$reverse" ]; then
    echo "$number is a palindrome"
else
    echo "$number is not a palindrome"
fi
```

Below the editor, a terminal window shows the execution of the script:

```
rps@rps-virtual-machine:~/programs$ chmod 777 palindrome.sh
rps@rps-virtual-machine:~/programs$ ./palindrome.sh
Enter a number: 121
121 is a palindrome
rps@rps-virtual-machine:~/programs$
```

The bottom of the image shows a menu bar with various keyboard shortcuts for the terminal and editor.