Assignment 7

check weather the number is palindrom or not.

```
#!/bin/bash
echo "Enter a number: "
read number

reverse=0
original=$number

while [ "$number" -ne 0 ]; do
    remainder=$((number % 10))
    reverse=$((reverse * 10 + remainder))
    number=$((number / 10))
done

if [ "$original" -eq "$reverse" ]; then
    echo "$original is a palindrome."
else
    echo "$original is NOT a palindrome."
Fi
```
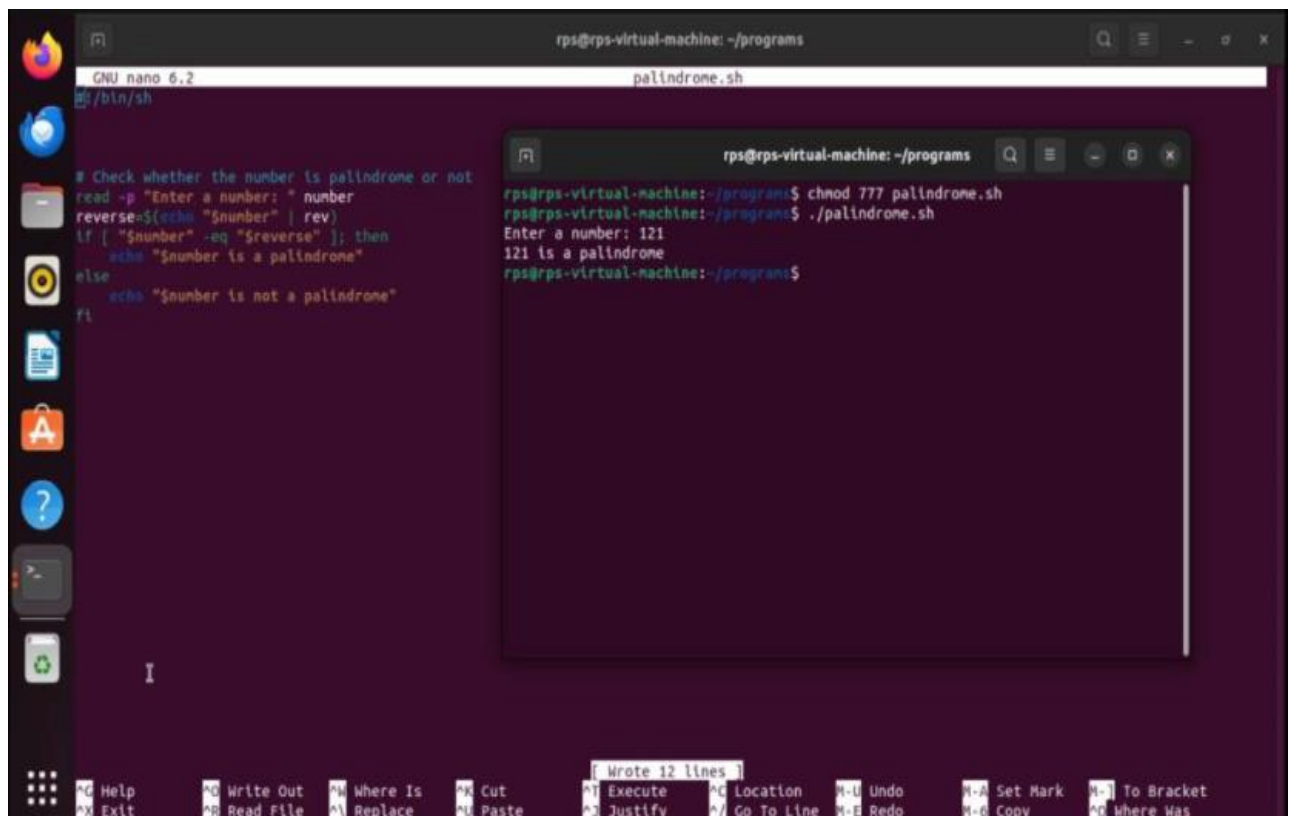
Output:
Enter a number :121

121 is palindrom

GNU nano 6.2 — palindrome.sh

```sh
#!/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
```

Terminal — rps@rps-virtual-machine: ~/programs

```
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$
```

[Wrote 12 lines]

^G Help   ^O Write Out   ^W Where Is   ^K Cut   ^T Execute   ^C Location   M-U Undo   M-A Set Mark   M-] To Bracket
^X Exit   ^R Read File   ^\ Replace   ^U Paste   ^J Justify   ^/ Go To Line M-E Redo   M-6 Copy   ^Q Where Was