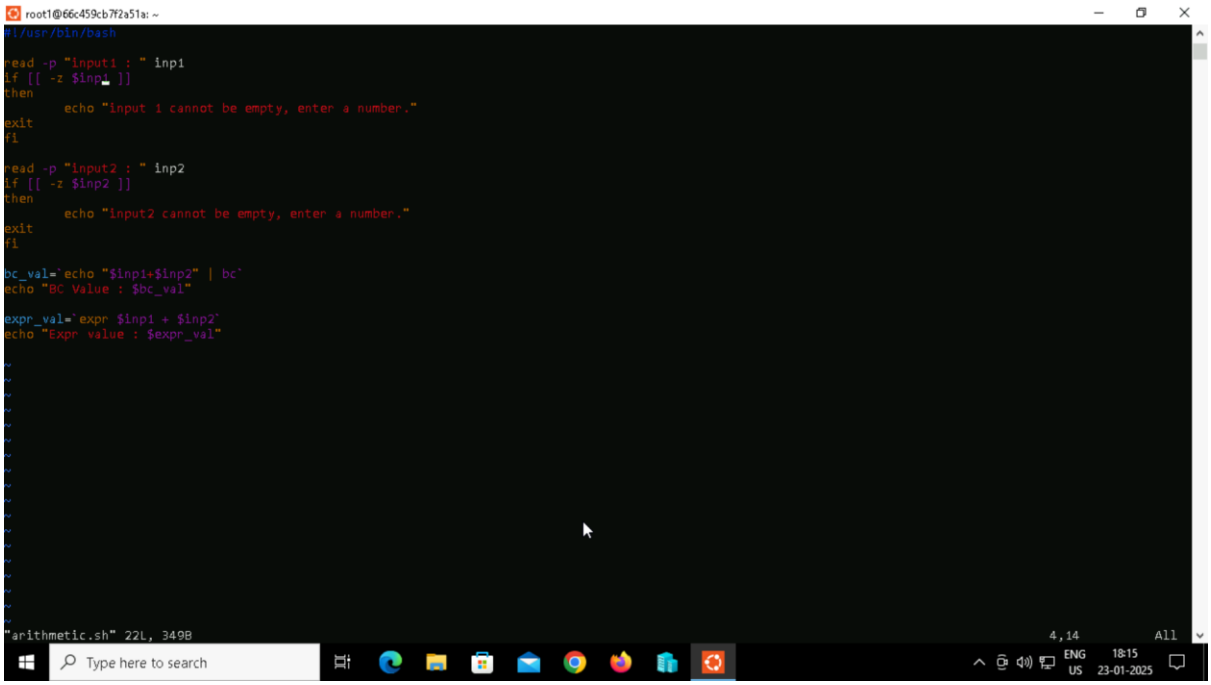
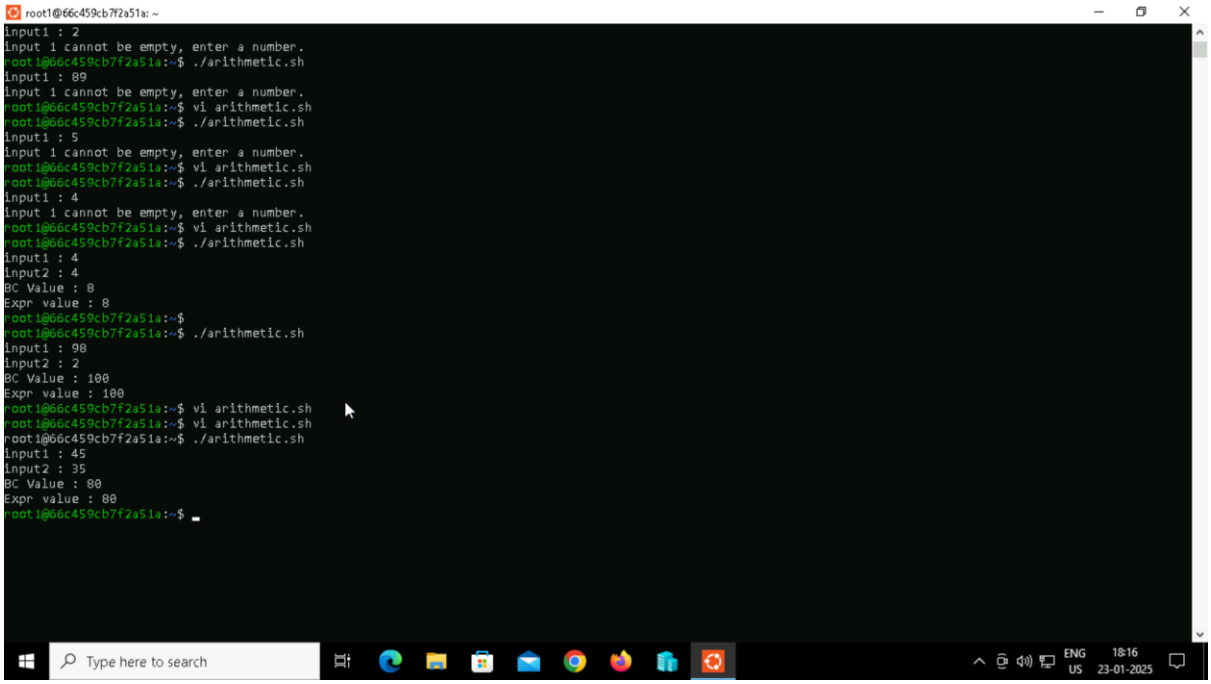
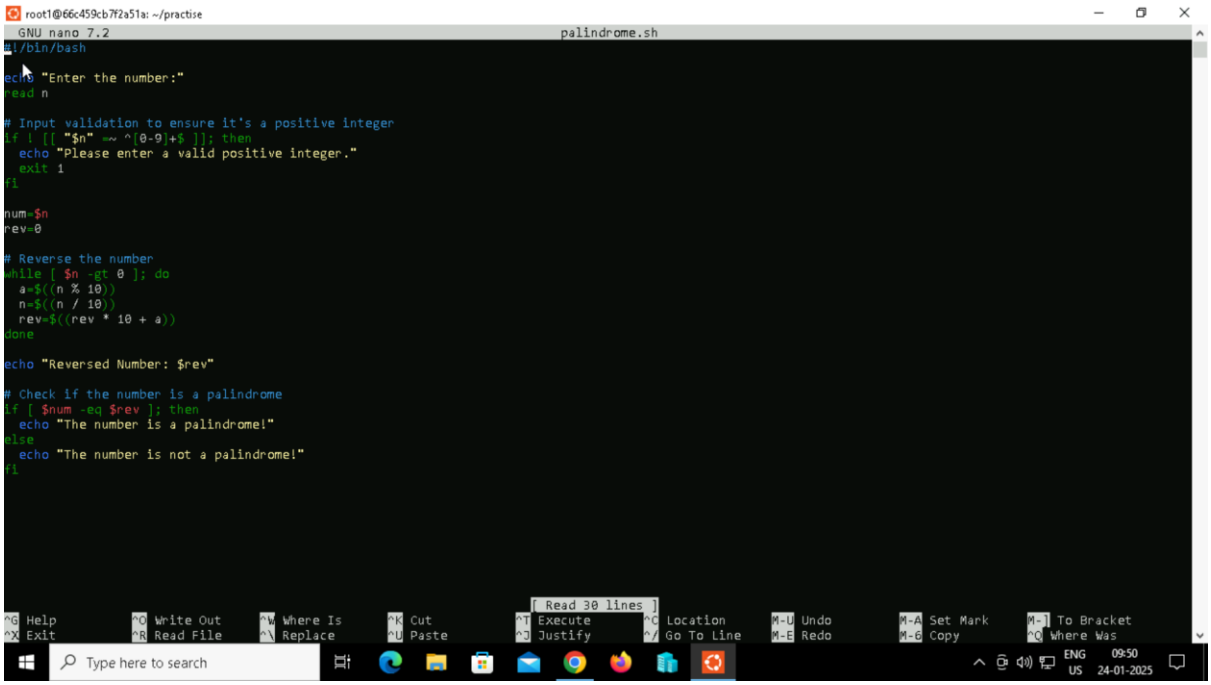
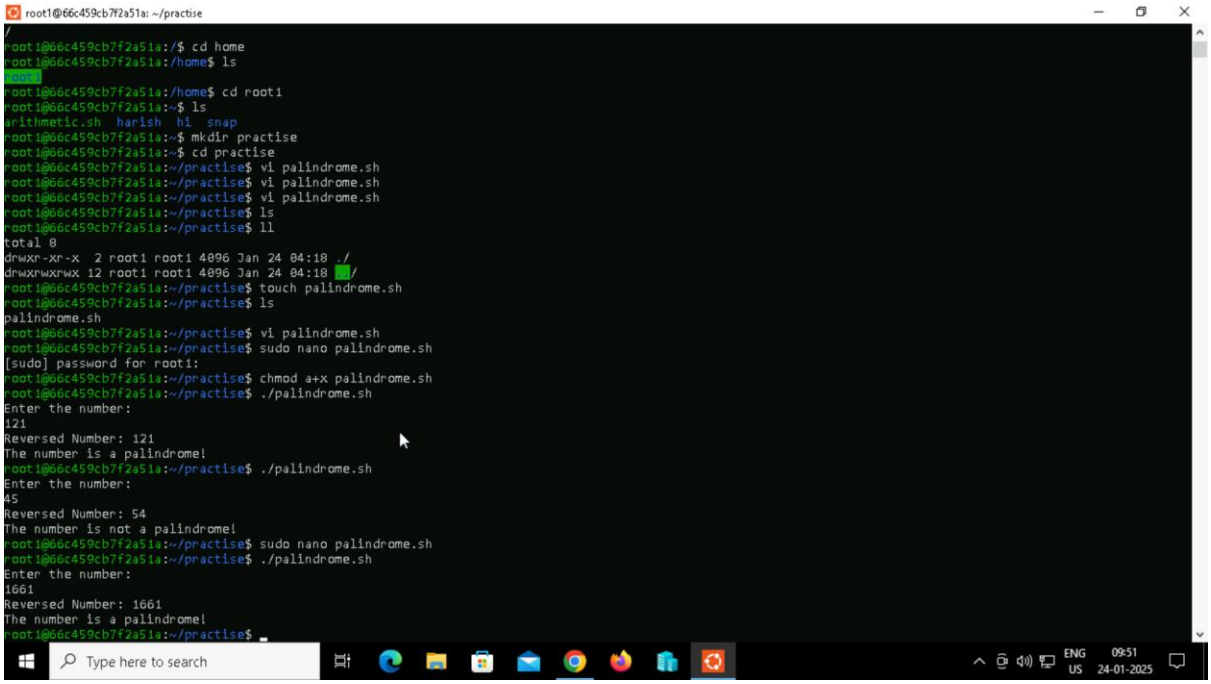
1. Arithmetic



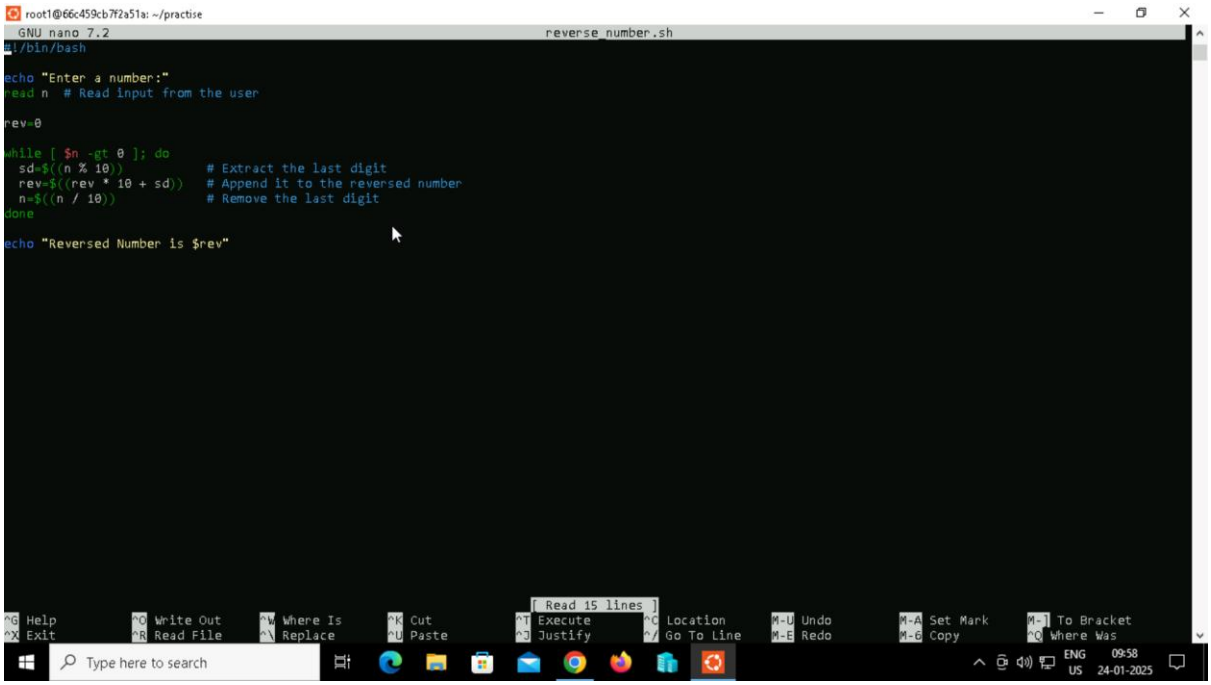


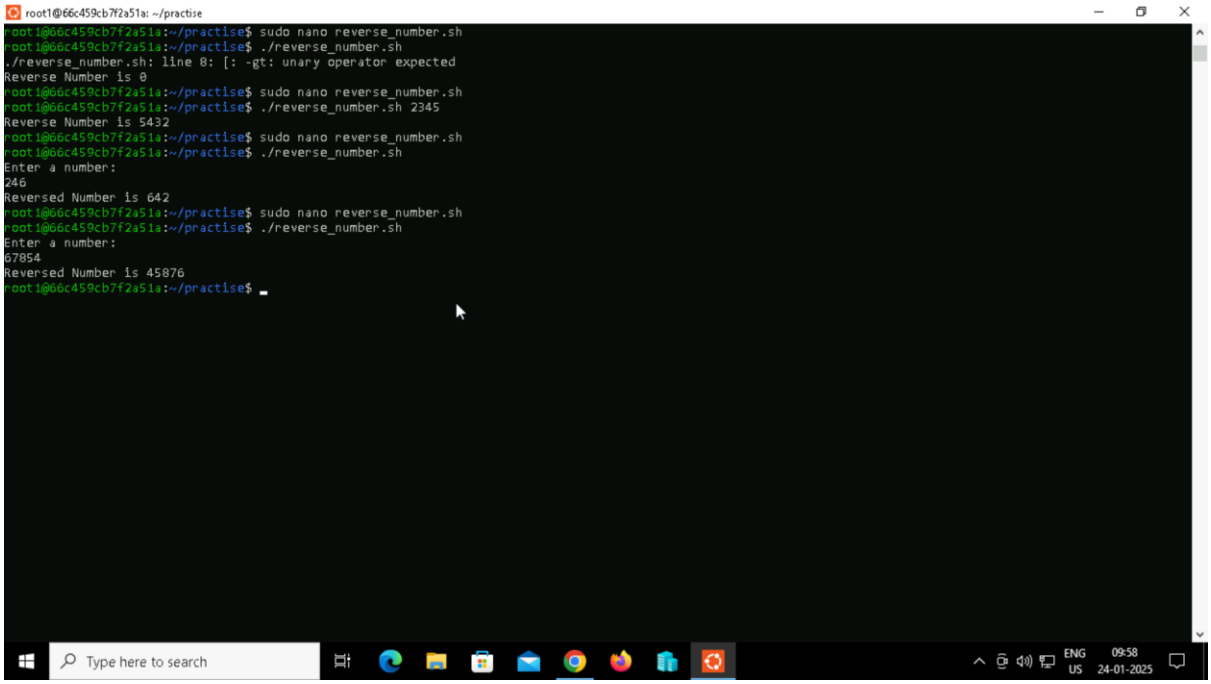
2.PALINDROME



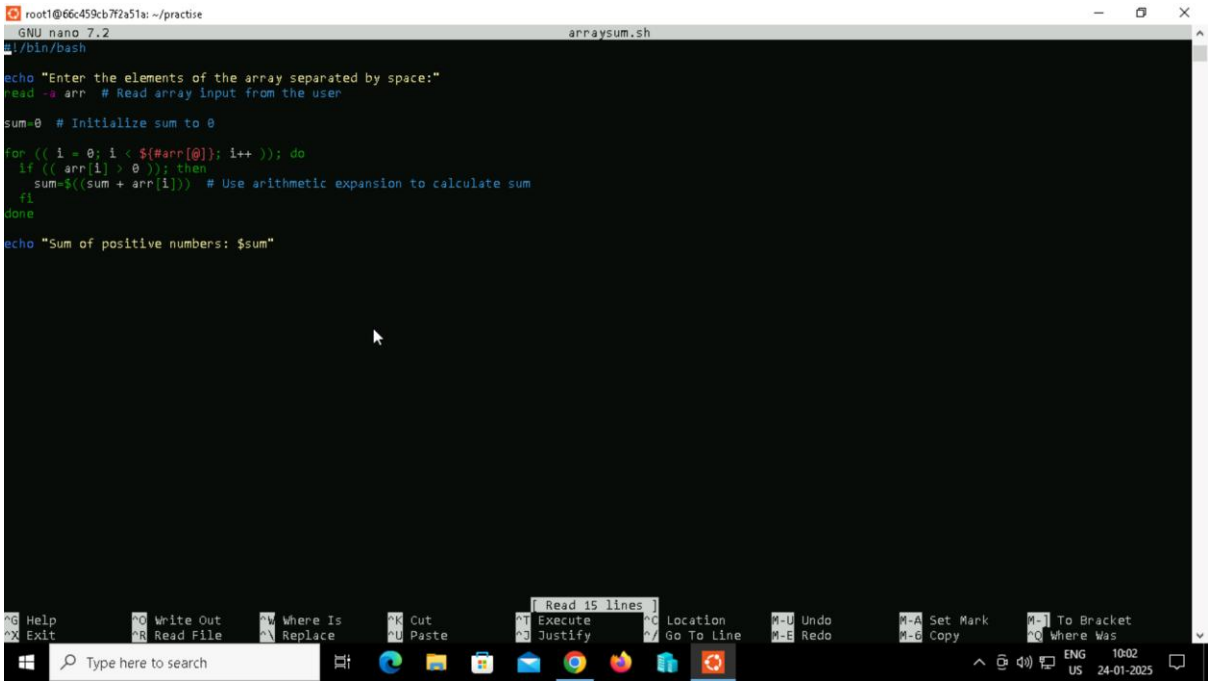


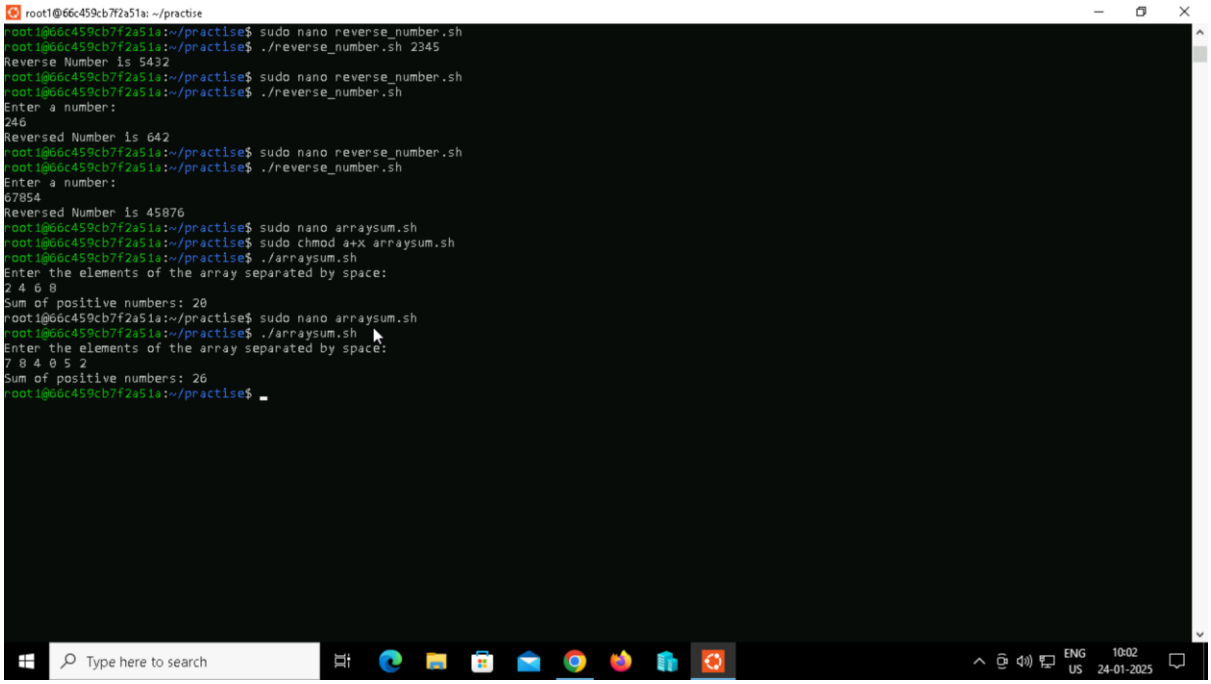
3. REVERSE A NUMBER



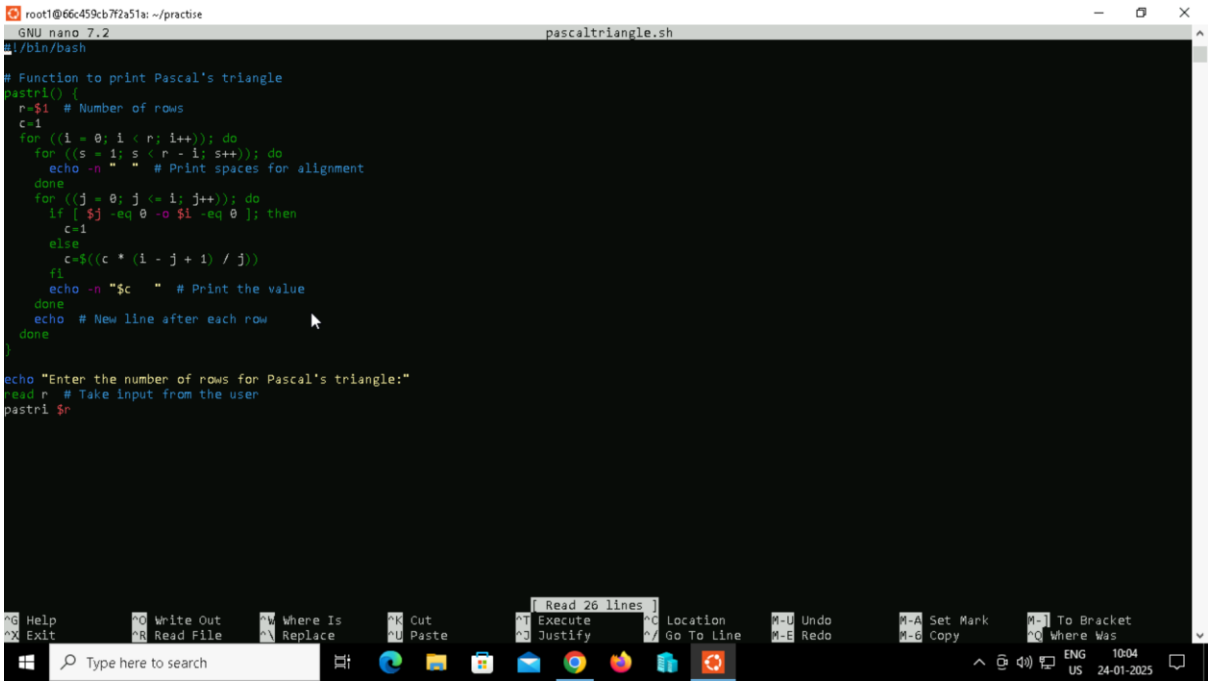


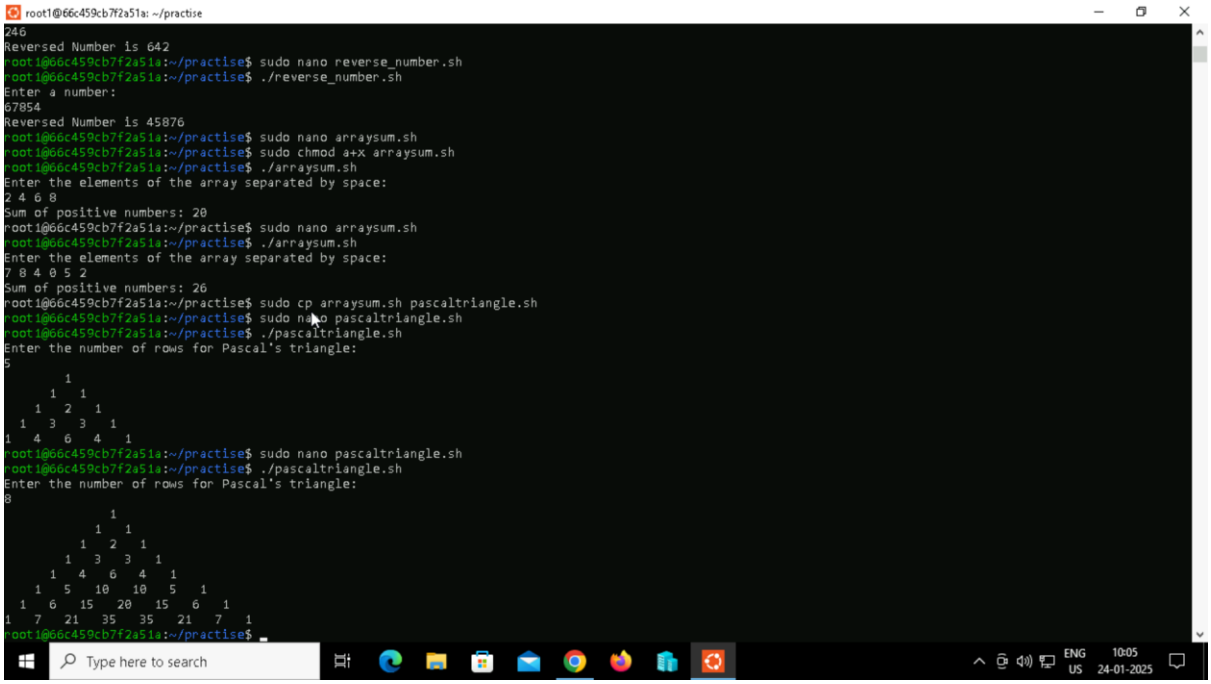
4. ARRAY SUM


root1@66c459cb7f2a51a: ~/practise
GNU nano 7.2 arraysum.sh
#!/bin/bash
echo "Enter the elements of the array separated by space:"
read -a arr # Read array input from the user
sum=0 # Initialize sum to 0
for ((i = 0; i < ${#arr[@]}; i++)); do
if ((arr[i] > 0)); then
sum=$((sum + arr[i])) # Use arithmetic expansion to calculate sum
fi
done
echo "Sum of positive numbers: $sum"
[Read 15 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
Type here to search
ENG US 10:02 24-01-2025

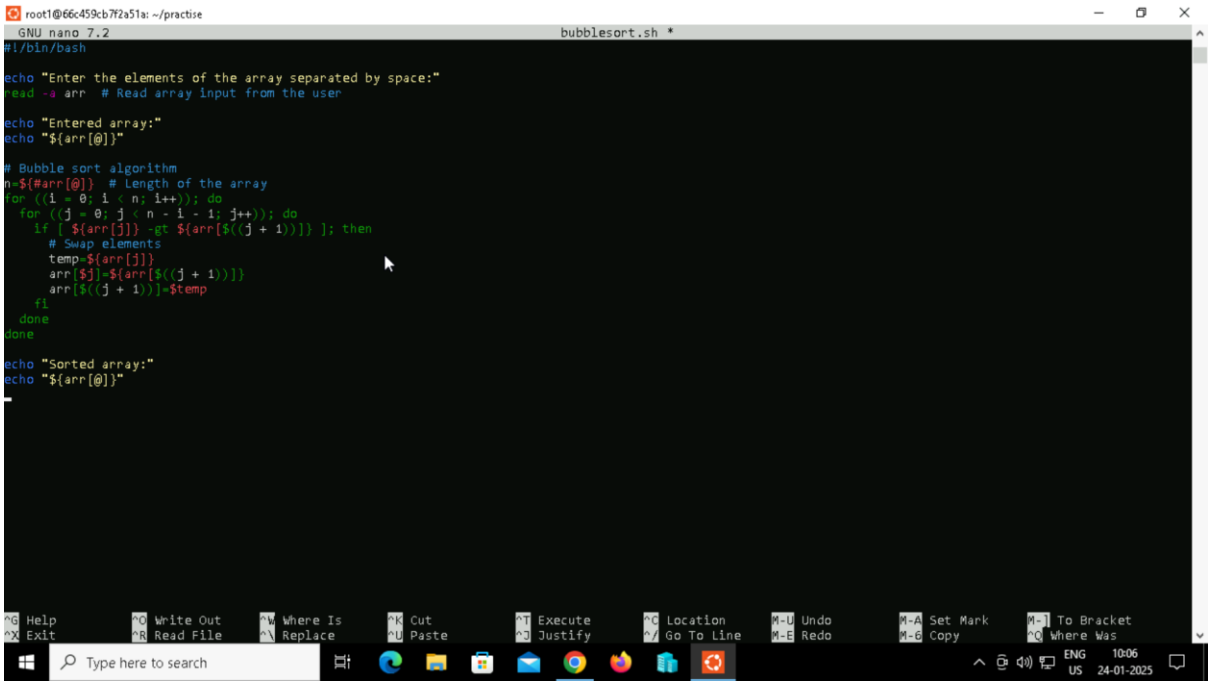

root1@66c459cb7f2a51a: ~/practise
root1@66c459cb7f2a51a:~/practise$ sudo nano reverse_number.sh
root1@66c459cb7f2a51a:~/practise$ ./reverse_number.sh 2345
Reverse Number is 5432
root1@66c459cb7f2a51a:~/practise$ sudo nano reverse_number.sh
root1@66c459cb7f2a51a:~/practise$ ./reverse_number.sh
Enter a number:
246
Reversed Number is 642
root1@66c459cb7f2a51a:~/practise$ sudo nano reverse_number.sh
root1@66c459cb7f2a51a:~/practise$ ./reverse_number.sh
Enter a number:
67854
Reversed Number is 45876
root1@66c459cb7f2a51a:~/practise$ sudo nano arraysum.sh
root1@66c459cb7f2a51a:~/practise$ sudo chmod a+x arraysum.sh
root1@66c459cb7f2a51a:~/practise$ ./arraysum.sh
Enter the elements of the array separated by space:
2 4 6 8
Sum of positive numbers: 20
root1@66c459cb7f2a51a:~/practise$ sudo nano arraysum.sh
root1@66c459cb7f2a51a:~/practise$ ./arraysum.sh
Enter the elements of the array separated by space:
7 8 4 0 5 2
Sum of positive numbers: 26
root1@66c459cb7f2a51a:~/practise$
Type here to search
ENG US 10:02 24-01-2025

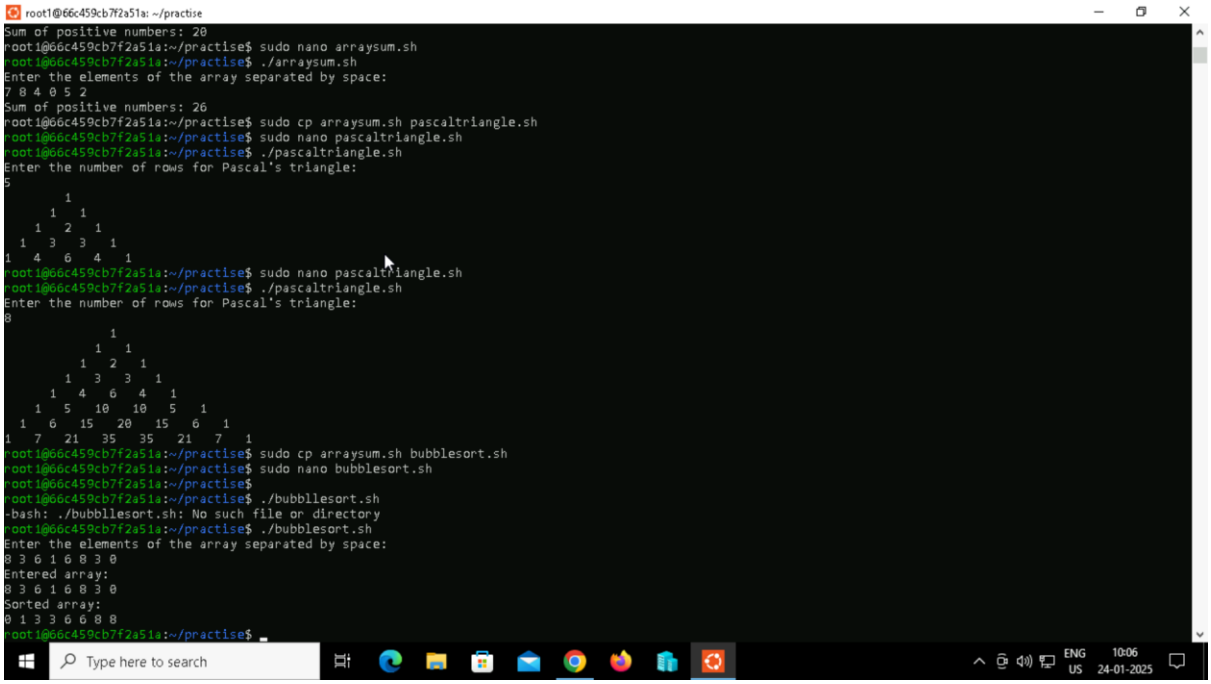
5. PASCAL TRIANGLE





6. BUBBLE SORT





7.Personalized Message