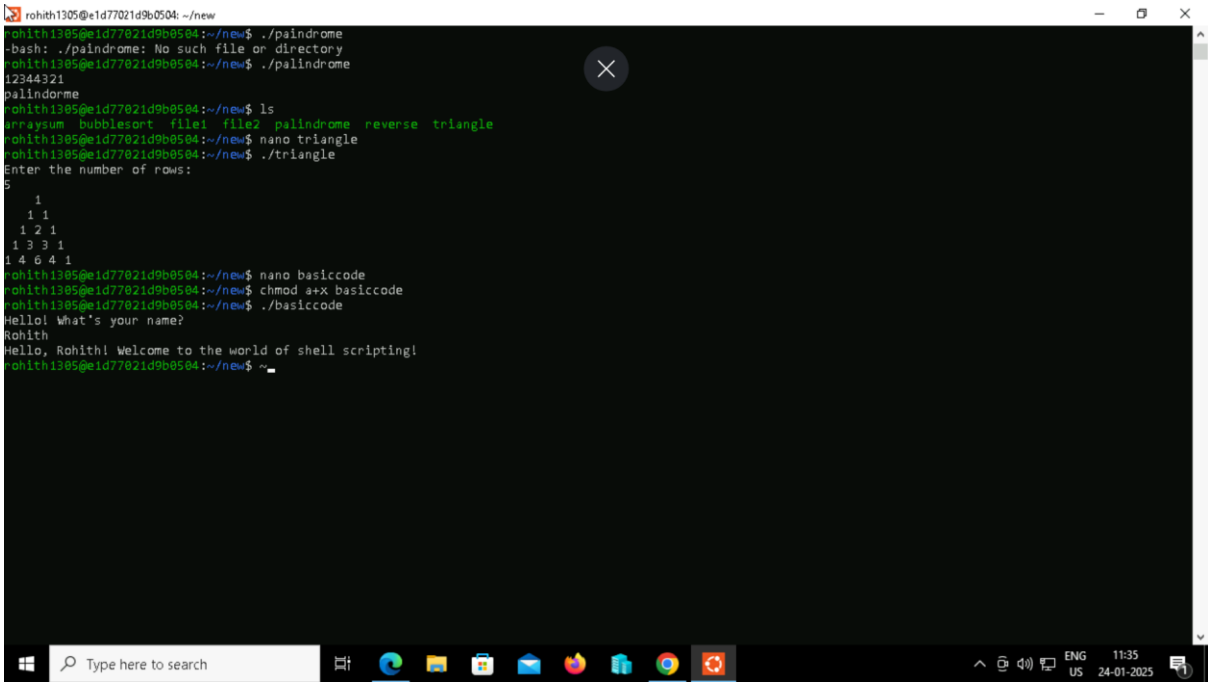
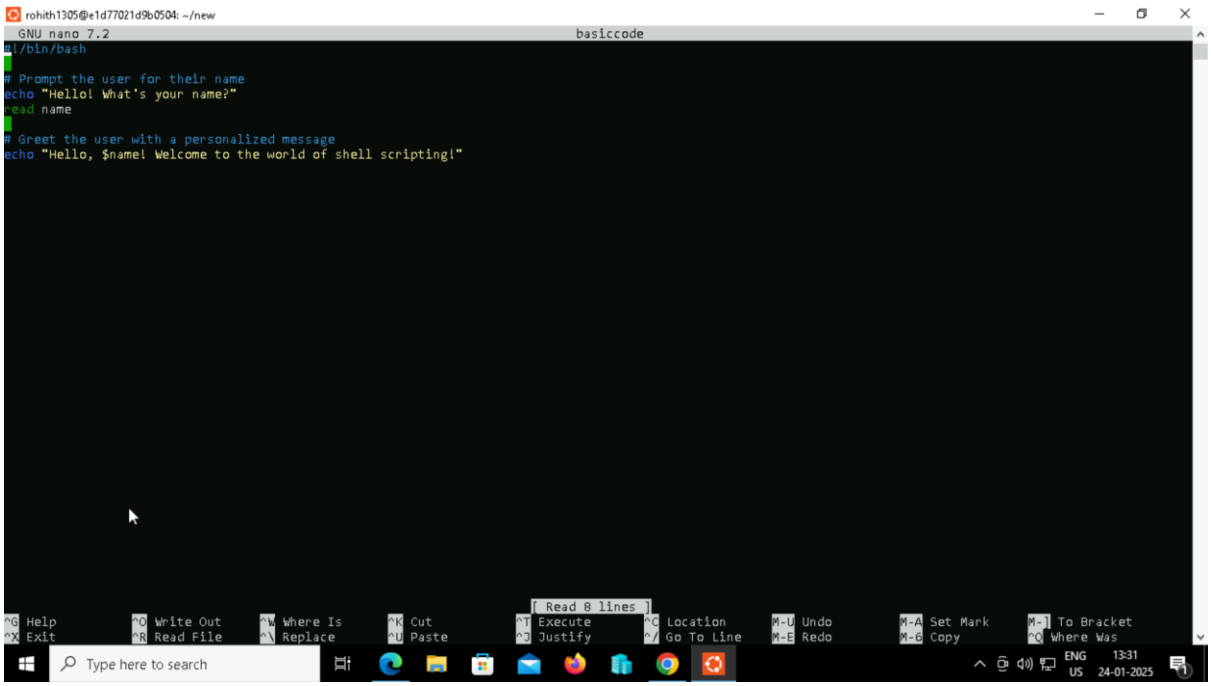
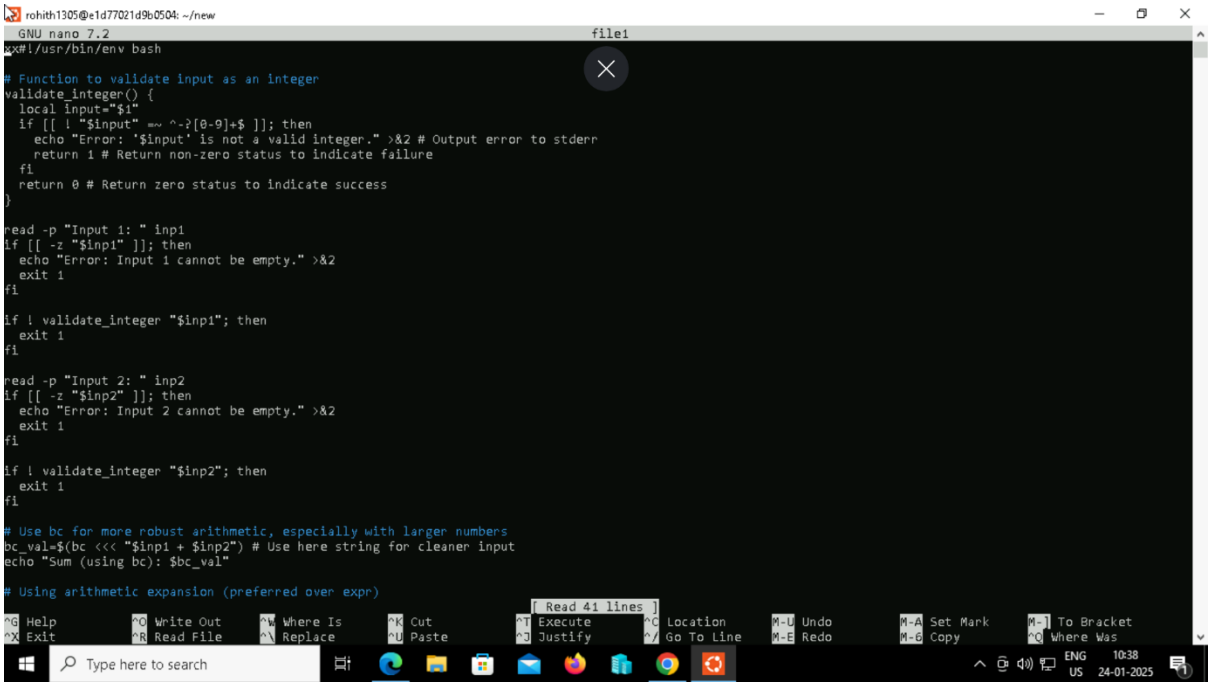
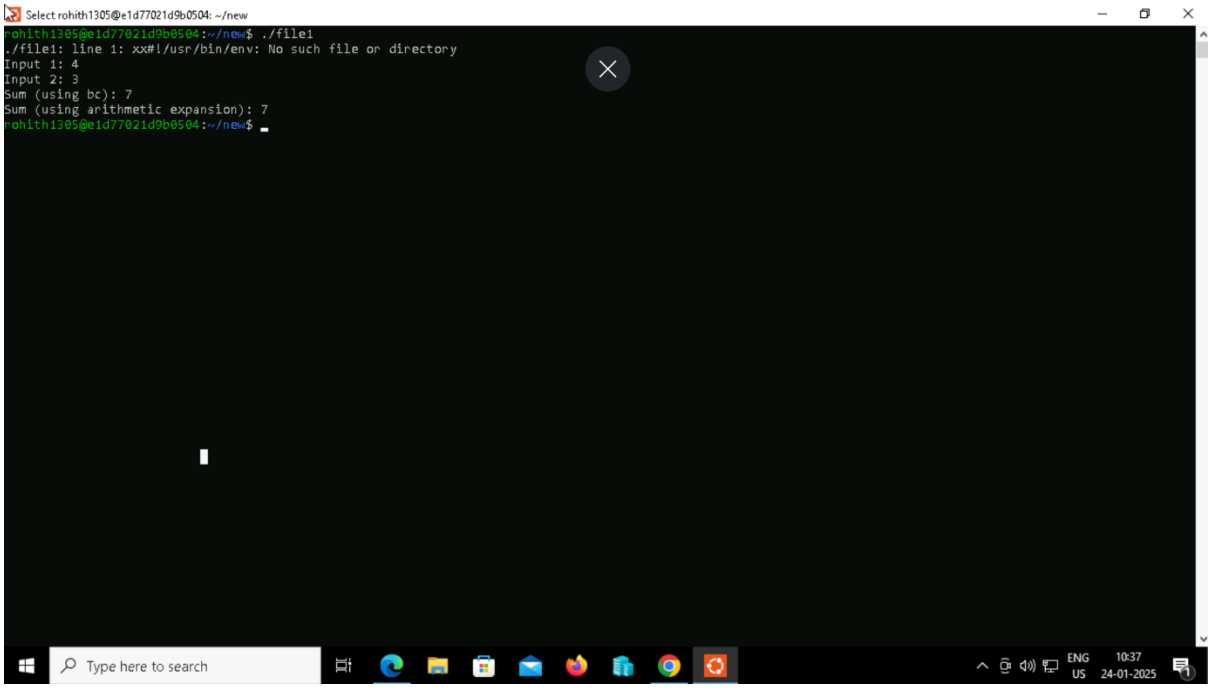
Basic Code:


rohith1305@e1d77021d9b0504: ~/new
rohith1305@e1d77021d9b0504:~/new$ ./paindrome
-bash: ./paindrome: No such file or directory
rohith1305@e1d77021d9b0504:~/new$ ./palindrome
12344321
palindorme
rohith1305@e1d77021d9b0504:~/new$ ls
arraysum bubblesort file1 file2 palindrome reverse triangle
rohith1305@e1d77021d9b0504:~/new$ nano triangle
rohith1305@e1d77021d9b0504:~/new$ ./triangle
Enter the number of rows:
5
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
rohith1305@e1d77021d9b0504:~/new$ nano basiccode
rohith1305@e1d77021d9b0504:~/new$ chmod a+x basiccode
rohith1305@e1d77021d9b0504:~/new$ ./basiccode
Hello! What's your name?
Rohith
Hello, Rohith! Welcome to the world of shell scripting!
rohith1305@e1d77021d9b0504:~/new$ ~
Type here to search
ENG US
11:35
24-01-2025

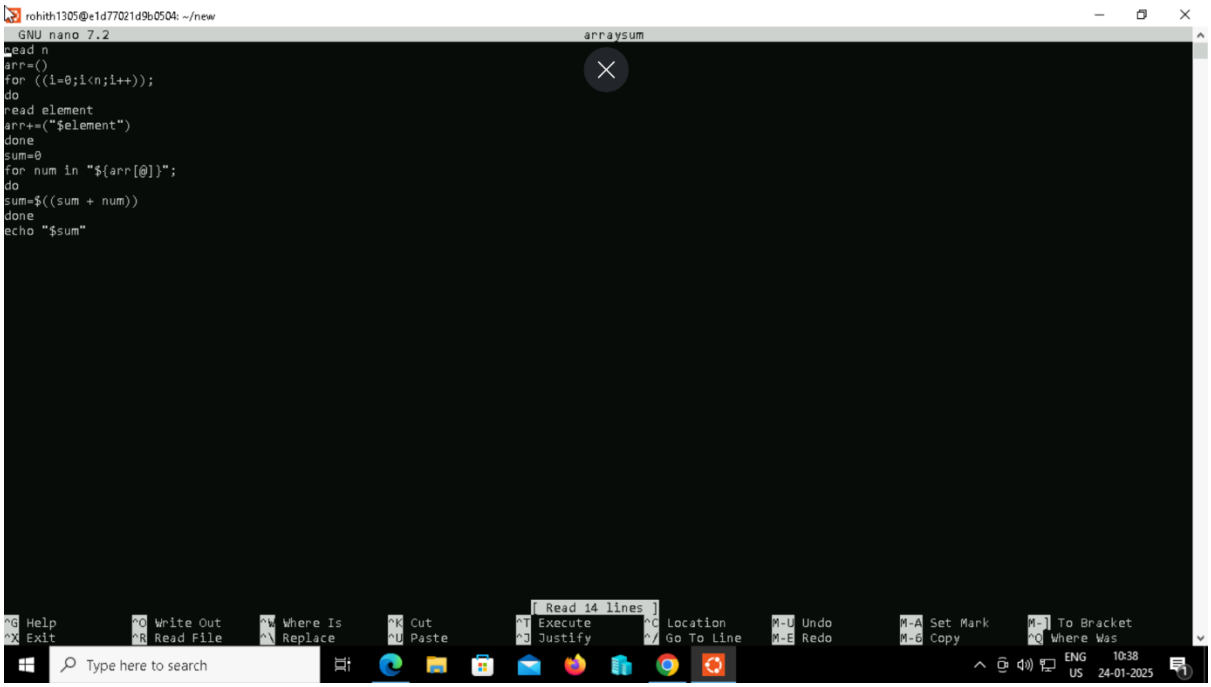

rohith1305@e1d77021d9b0504: ~/new
GNU nano 7.2
basiccode
#!/bin/bash
Prompt the user for their name
echo "Hello! What's your name?"
read name
Greet the user with a personalized message
echo "Hello, $name! Welcome to the world of shell scripting!"
[Read 8 lines]
^G Help
^O Write Out
^W Where Is
^K Cut
^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
13:31
24-01-2025

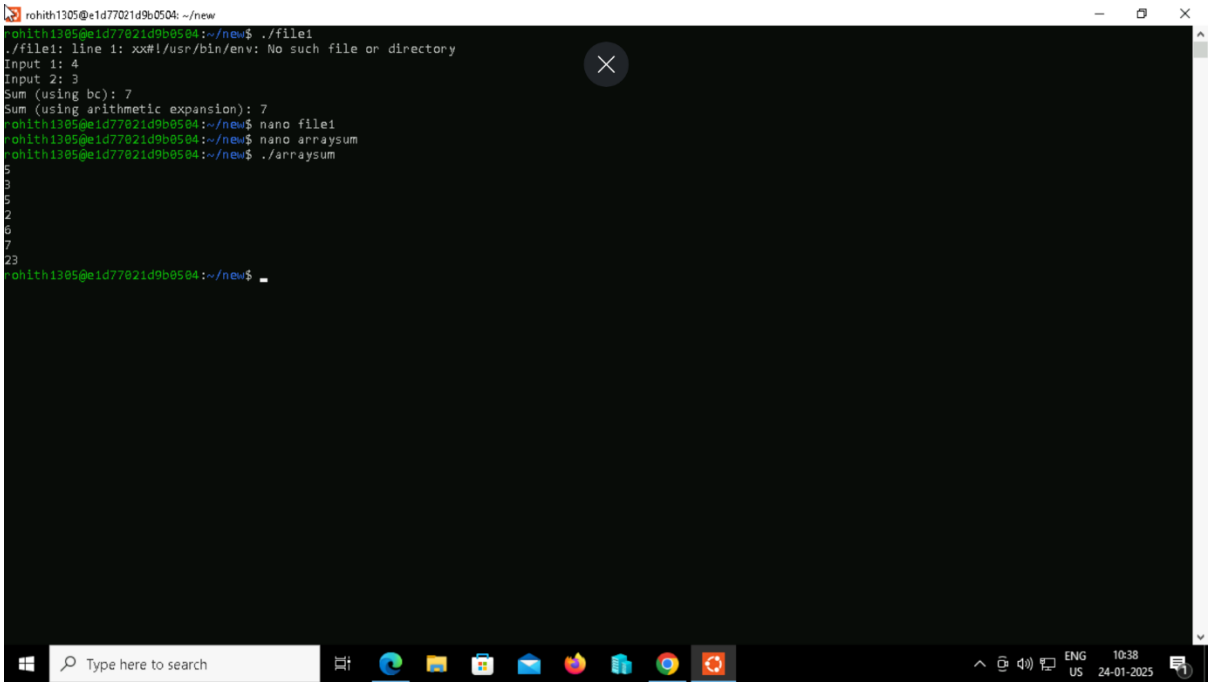
Arithmetic code:



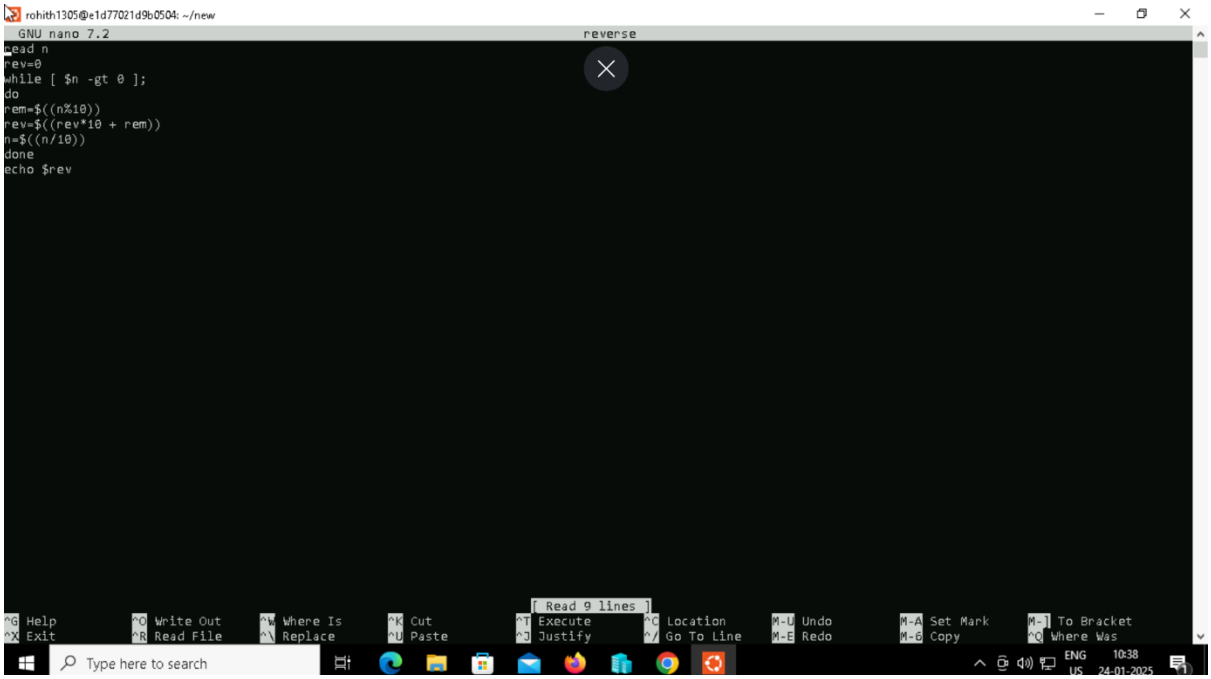


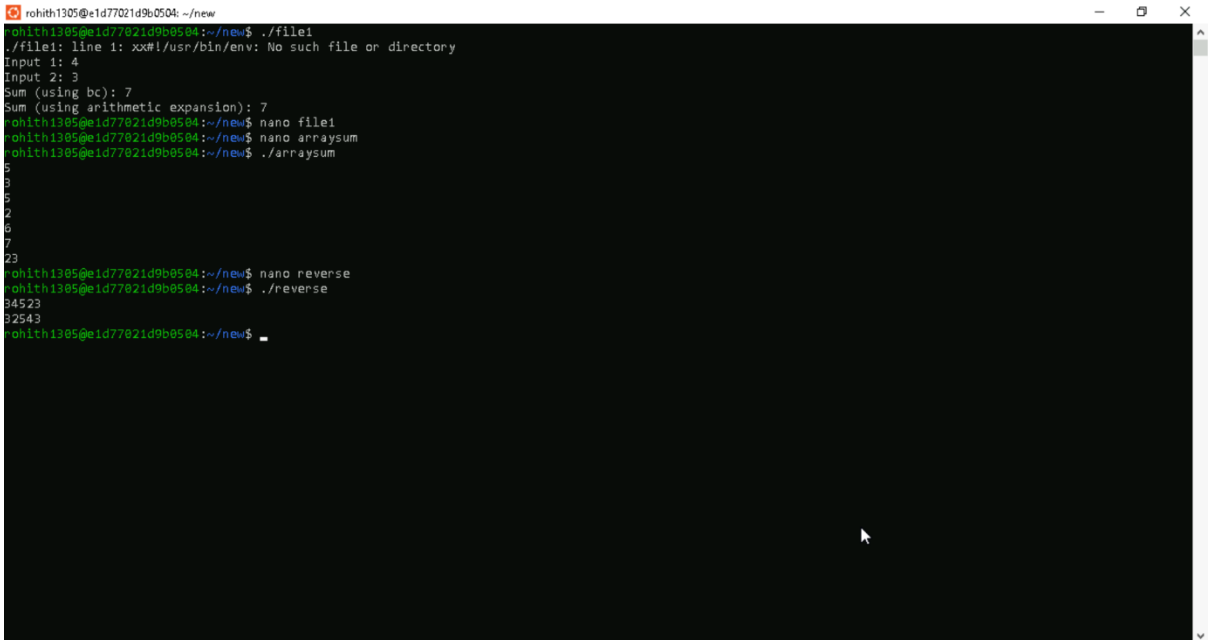
Arraysum:


rohith1305@e1d77021d9b0504: ~/new
GNU nano 7.2
arraysum
read n
arr=()
for ((i=0;i<n;i++));
do
read element
arr+=("$element")
done
sum=0
for num in "${arr[@]}";
do
sum=$((sum + num))
done
echo "$sum"
[Read 14 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
10:38 24-01-2025

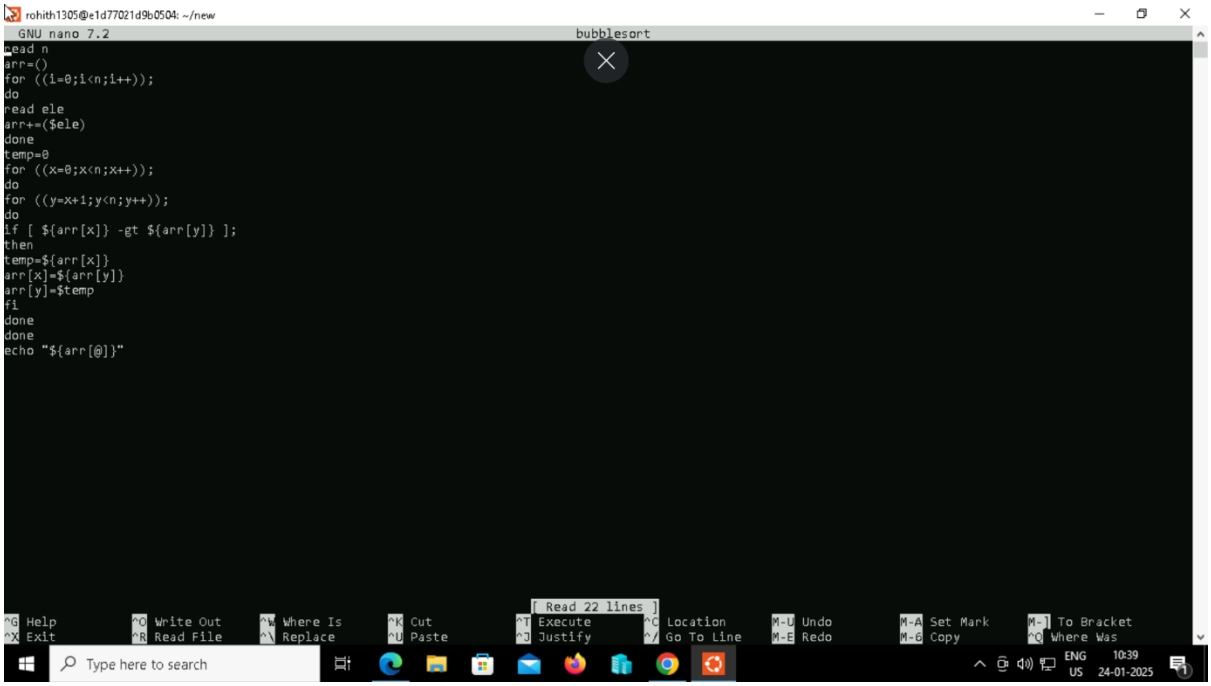

rohith1305@e1d77021d9b0504: ~/new
rohith1305@e1d77021d9b0504:~/new$ ./file1
./file1: line 1: xx#!/usr/bin/env: No such file or directory
Input 1: 4
Input 2: 3
Sum (using bc): 7
Sum (using arithmetic expansion): 7
rohith1305@e1d77021d9b0504:~/new$ nano file1
rohith1305@e1d77021d9b0504:~/new$ nano arraysum
rohith1305@e1d77021d9b0504:~/new$ ./arraysum
5
8
5
2
6
7
23
rohith1305@e1d77021d9b0504:~/new$
Type here to search
ENG US
10:38 24-01-2025

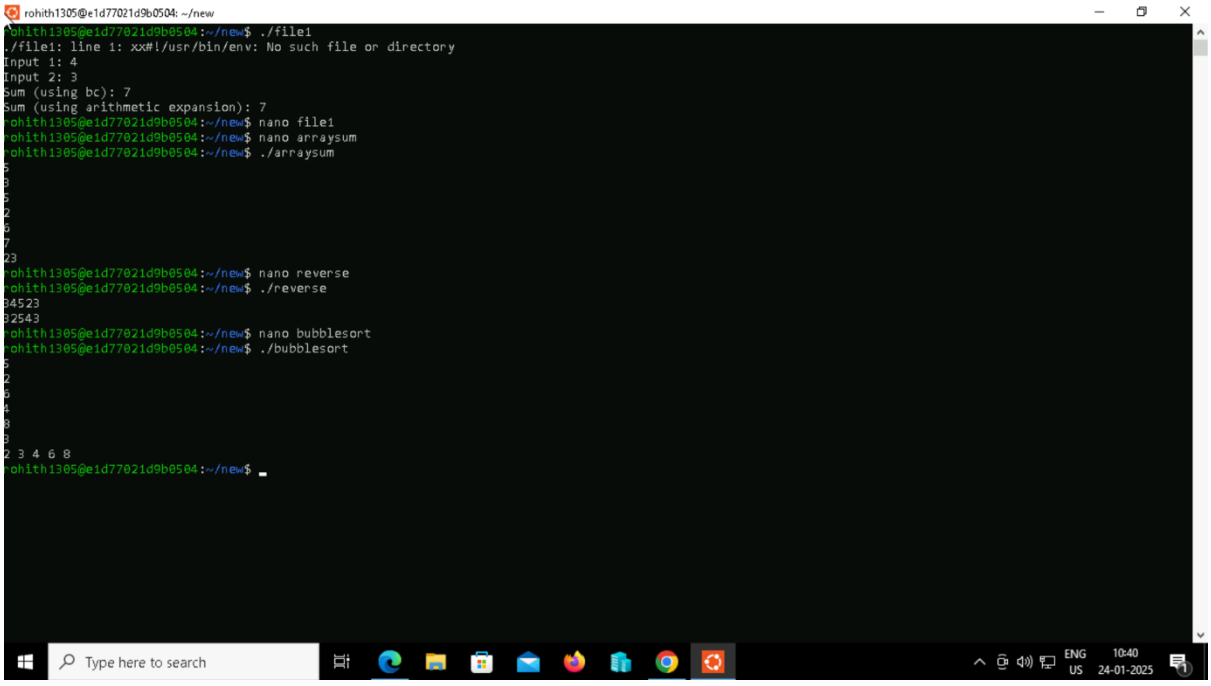
Reverse:


rohith1305@e1d77021d9b0504: ~/new
GNU nano 7.2
reverse
read n
rev=0
while [$n -gt 0];
do
rem=$((n%10))
rev=$((rev*10 + rem))
n=$((n/10))
done
echo $rev
[Read 9 lines]
^G Help
^X Exit
^O Write Out
^R Read File
^W Where Is
^\ Replace
^K Cut
^U Paste
^T Execute
^J Justify
^C Location
^/ Go To Line
M-U Undo
M-E Redo
M-A Set Mark
M-6 Copy
M-] To Bracket
^Q Where Was
Type here to search
ENG
US
10:38
24-01-2025

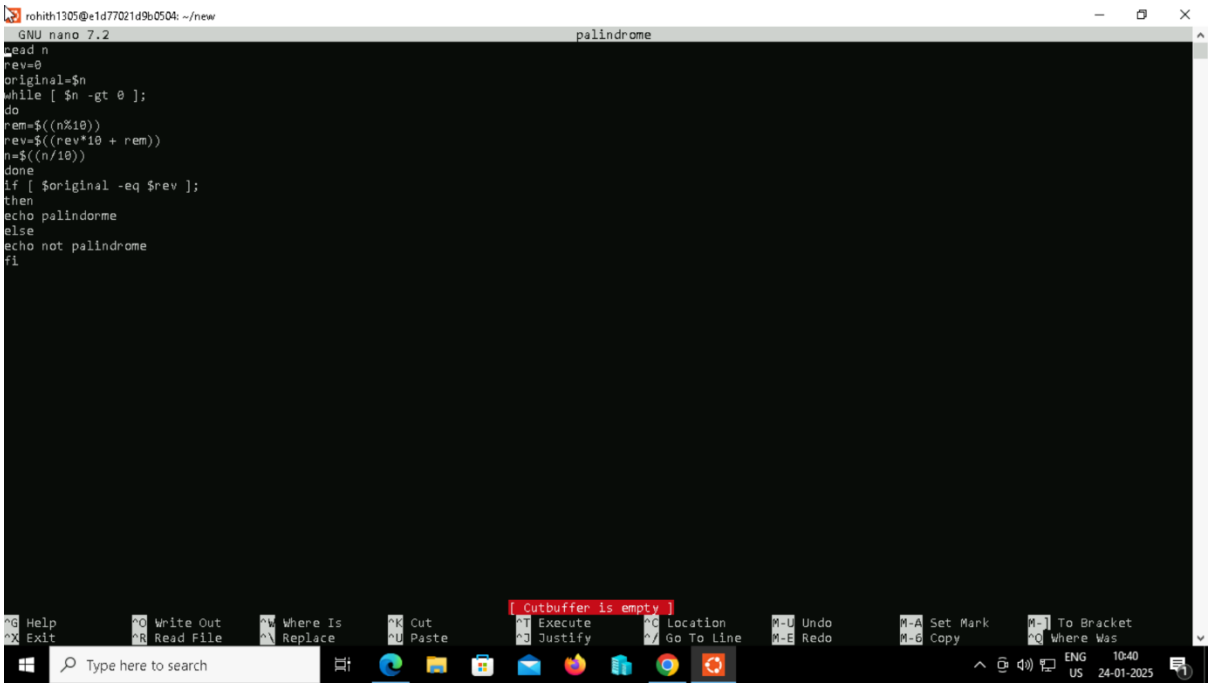

rohith1305@e1d77021d9b0504: ~/new
rohith1305@e1d77021d9b0504:~/new$ ./file1
./file1: line 1: xx#!/usr/bin/env: No such file or directory
Input 1: 4
Input 2: 3
Sum (using bc): 7
Sum (using arithmetic expansion): 7
rohith1305@e1d77021d9b0504:~/new$ nano file1
rohith1305@e1d77021d9b0504:~/new$ nano arraysum
rohith1305@e1d77021d9b0504:~/new$ ./arraysum
5
3
5
2
6
7
23
rohith1305@e1d77021d9b0504:~/new$ nano reverse
rohith1305@e1d77021d9b0504:~/new$ ./reverse
34523
32543
rohith1305@e1d77021d9b0504:~/new$

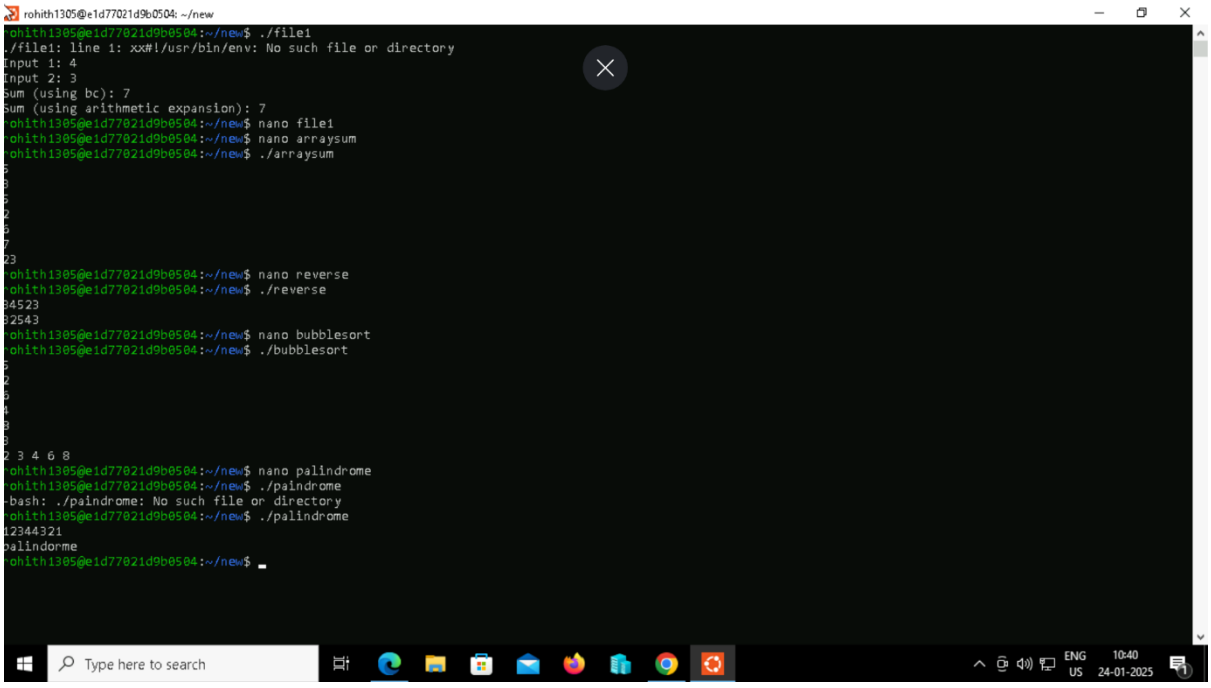
Bubble sort:


rohith1305@e1d77021d9b0504: ~/new
GNU nano 7.2
bubblesort
read n
arr=()
for ((i=0;i<n;i++));
do
read ele
arr+=($ele)
done
temp=0
for ((x=0;x<n;x++));
do
for ((y=x+1;y<n;y++));
do
if [${arr[x]} -gt ${arr[y]}];
then
temp=${arr[x]}
arr[x]=${arr[y]}
arr[y]=$temp
fi
done
done
echo "${arr[@]}"
[Read 22 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
10:39
24-01-2025


rohith1305@e1d77021d9b0504: ~/new
rohith1305@e1d77021d9b0504:~/new$ ./file1
./file1: line 1: xx#!/usr/bin/env: No such file or directory
Input 1: 4
Input 2: 3
Sum (using bc): 7
Sum (using arithmetic expansion): 7
rohith1305@e1d77021d9b0504:~/new$ nano file1
rohith1305@e1d77021d9b0504:~/new$ nano arraysum
rohith1305@e1d77021d9b0504:~/new$ ./arraysum
23
rohith1305@e1d77021d9b0504:~/new$ nano reverse
rohith1305@e1d77021d9b0504:~/new$ ./reverse
54523
32543
rohith1305@e1d77021d9b0504:~/new$ nano bubblesort
rohith1305@e1d77021d9b0504:~/new$ ./bubblesort
2 3 4 6 8
rohith1305@e1d77021d9b0504:~/new$
Type here to search
ENG US
10:40
24-01-2025

Palindrome:


rohith1305@e1d77021d9b0504: ~/new
GNU nano 7.2
palindrome
read n
rev=0
original=$n
while [$n -gt 0];
do
rem=$((n%10))
rev=$((rev*10 + rem))
n=$((n/10))
done
if [$original -eq $rev];
then
echo palindorme
else
echo not palindrome
fi
[Cutbuffer is empty]
^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
10:40 24-01-2025


rohith1305@e1d77021d9b0504: ~/new
rohith1305@e1d77021d9b0504:~/new$ ./file1
./file1: line 1: xx#!/usr/bin/env: No such file or directory
Input 1: 4
Input 2: 3
Sum (using bc): 7
Sum (using arithmetic expansion): 7
rohith1305@e1d77021d9b0504:~/new$ nano file1
rohith1305@e1d77021d9b0504:~/new$ nano arraysum
rohith1305@e1d77021d9b0504:~/new$ ./arraysum
23
rohith1305@e1d77021d9b0504:~/new$ nano reverse
rohith1305@e1d77021d9b0504:~/new$ ./reverse
34523
32543
rohith1305@e1d77021d9b0504:~/new$ nano bubblesort
rohith1305@e1d77021d9b0504:~/new$ ./bubblesort
2 3 4 6 8
rohith1305@e1d77021d9b0504:~/new$ nano palindrome
rohith1305@e1d77021d9b0504:~/new$ ./paindrome
-bash: ./paindrome: No such file or directory
rohith1305@e1d77021d9b0504:~/new$ ./palindrome
12344321
palindorme
rohith1305@e1d77021d9b0504:~/new$
Type here to search
ENG US
10:40 24-01-2025

Pascal triangle: