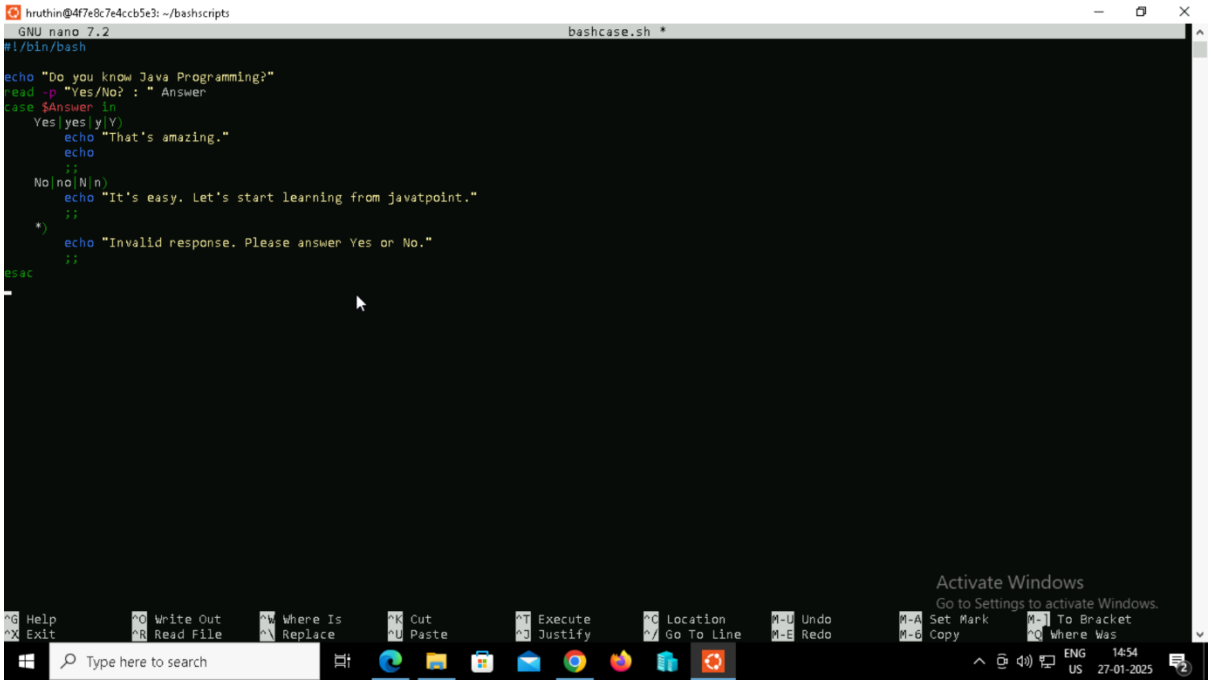
Bash Project

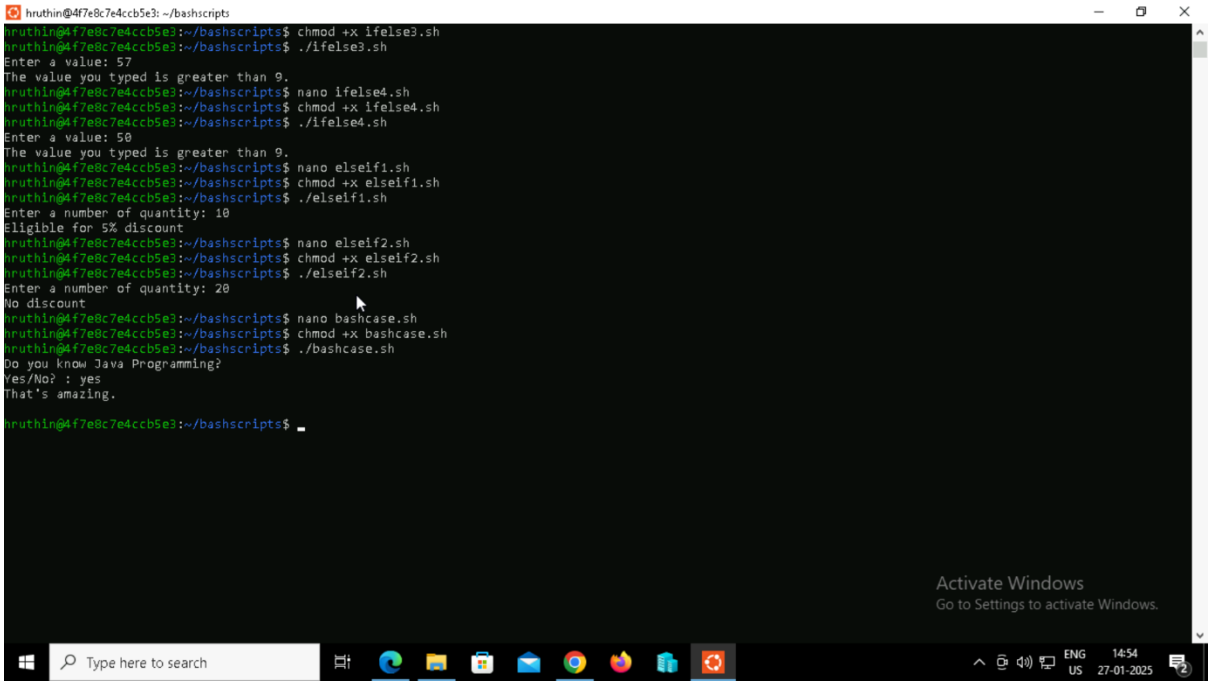
Bash Case :

Example 1 In this example, we have defined a simple scenario to demonstrate the use of the case statement.

Code :

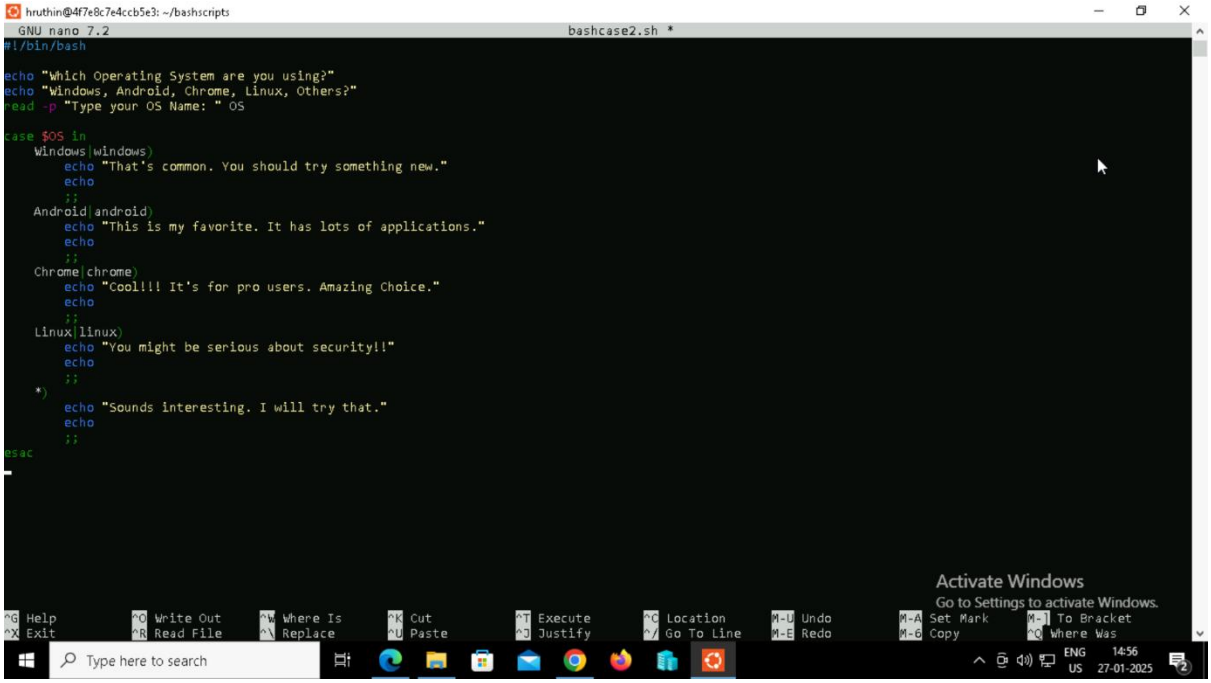


Output :

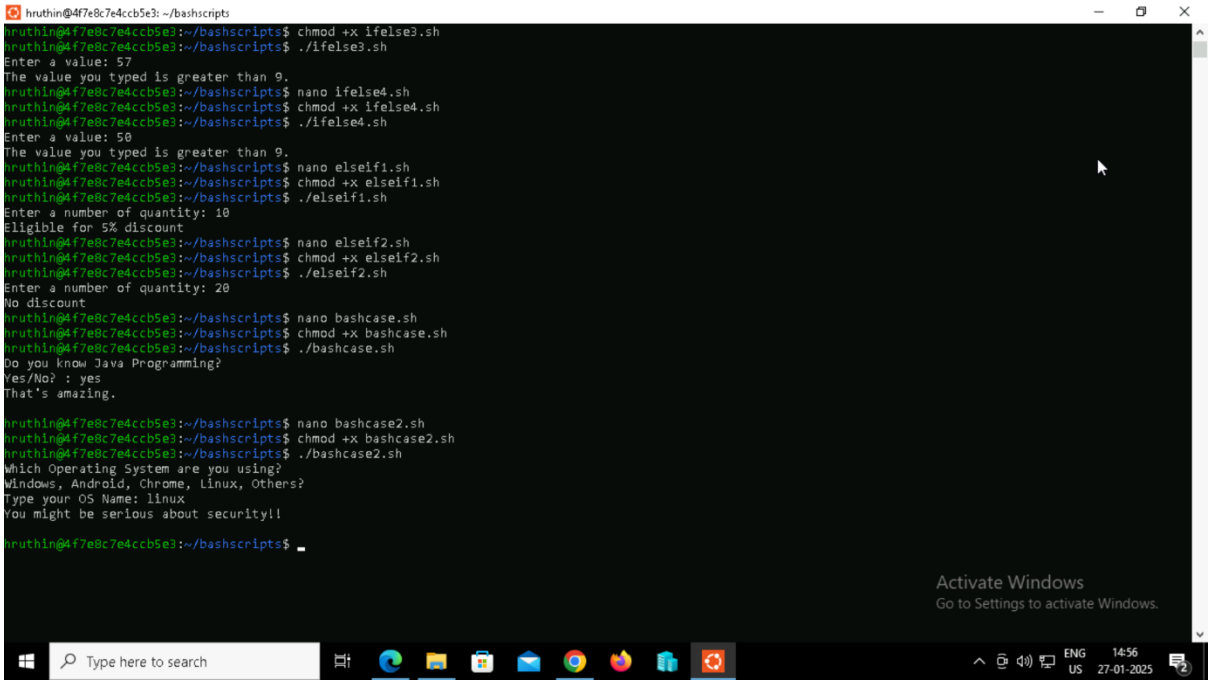


Example 2 In this example, we have defined a combined scenario where there is also a default case when no previous matched case is found.

Code :



Output :

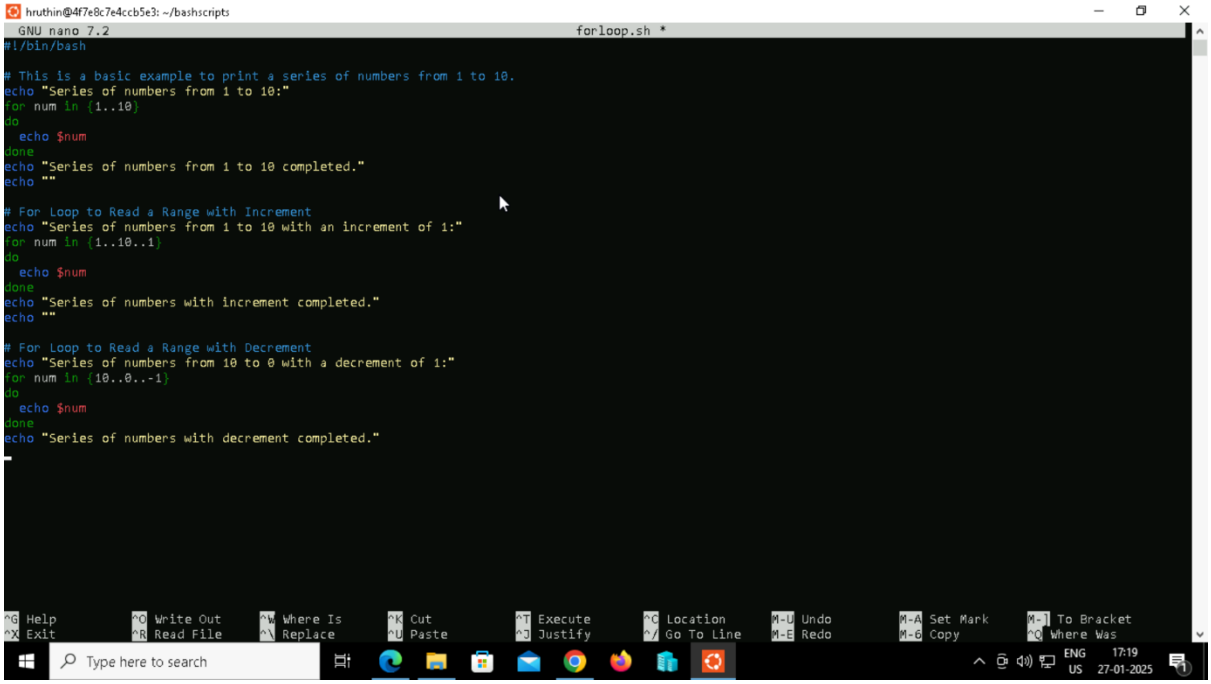


For loop:

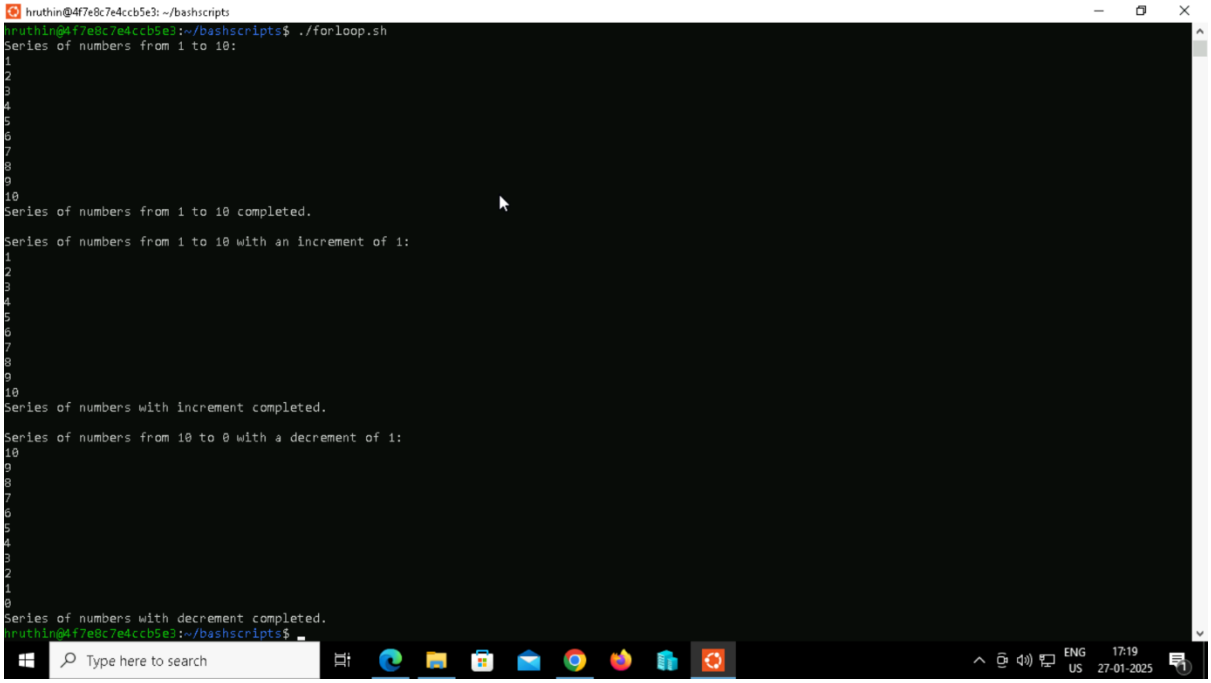
Example 1:

For Loop to Read a Range (includes incrementing and decrementing):

Code:



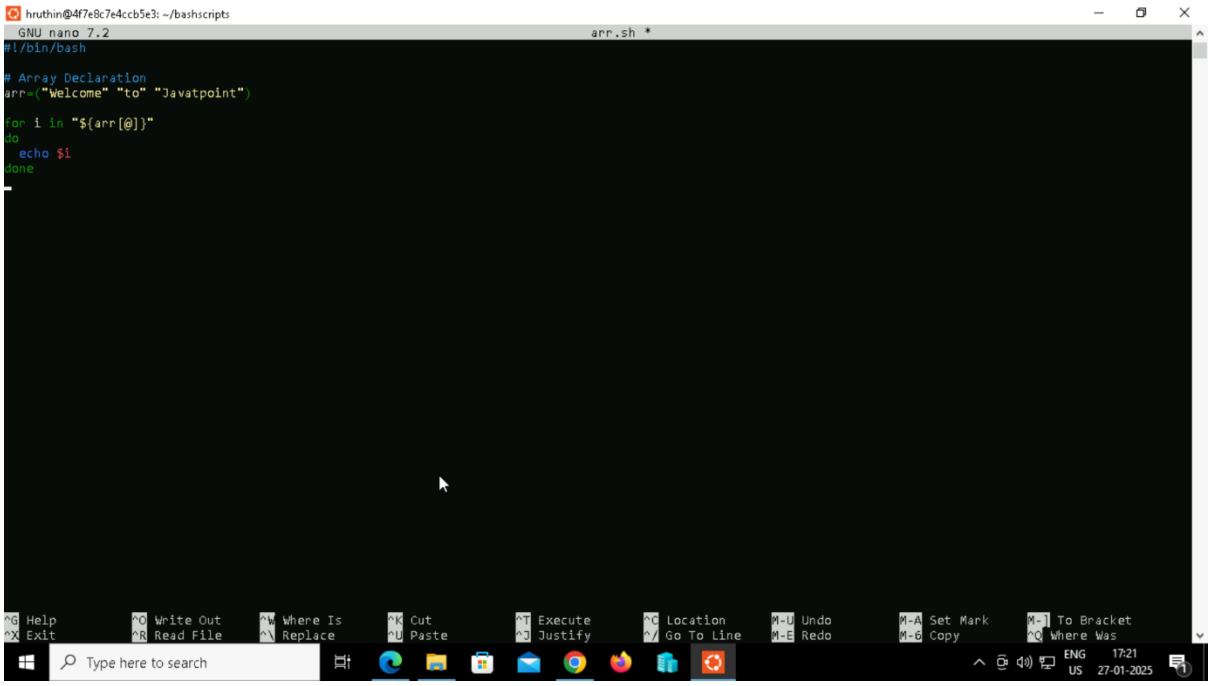
Output :



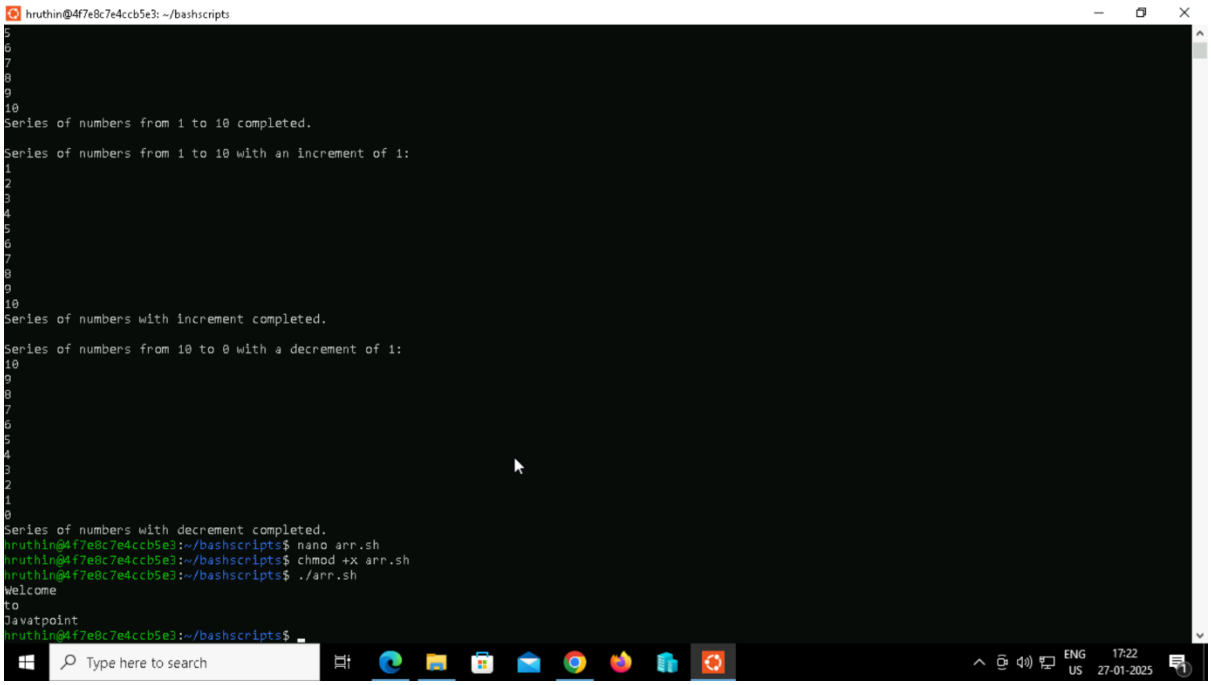
Example 2:

For Loop to Read Array Variables:

Code :



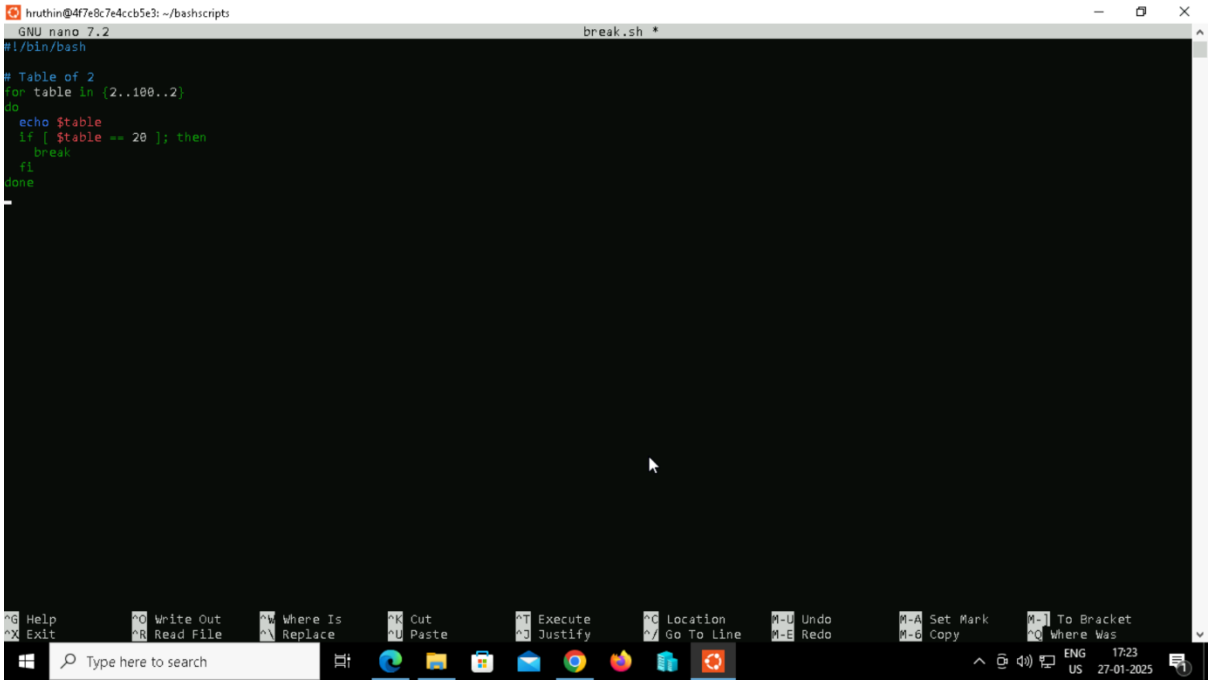
Output :



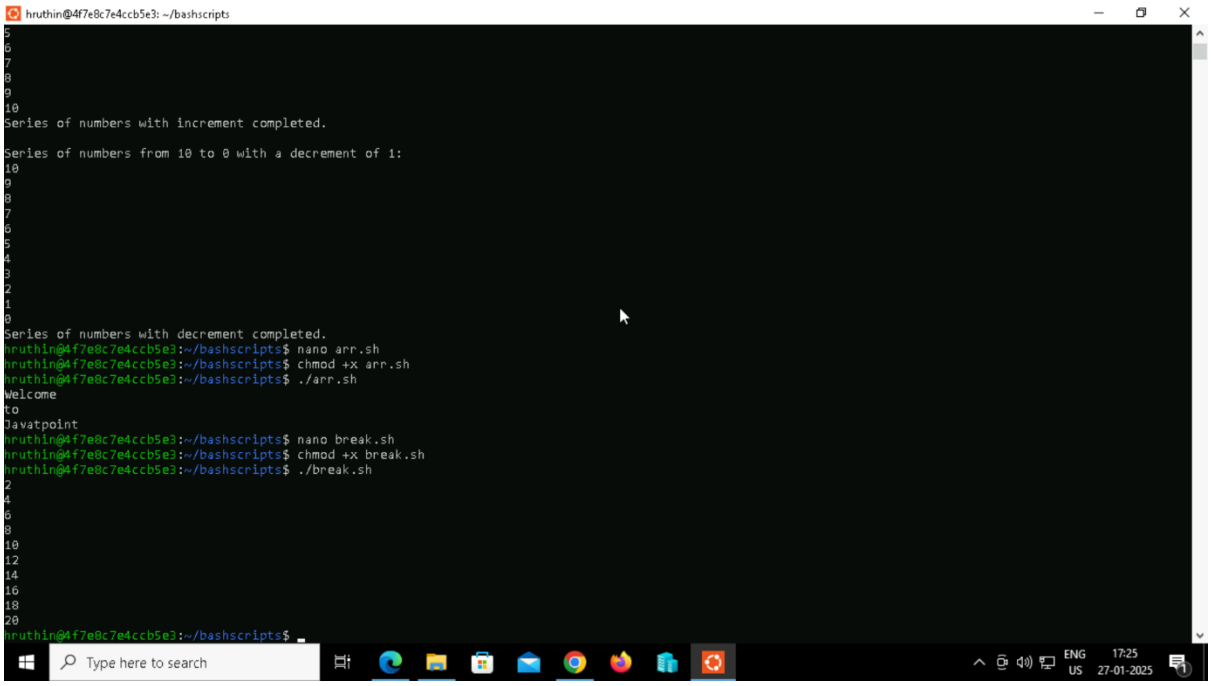
Example 3:

For Loop with a Break Statement A 'break' statement can be used inside 'for' loop to terminate from the loop.

Code:



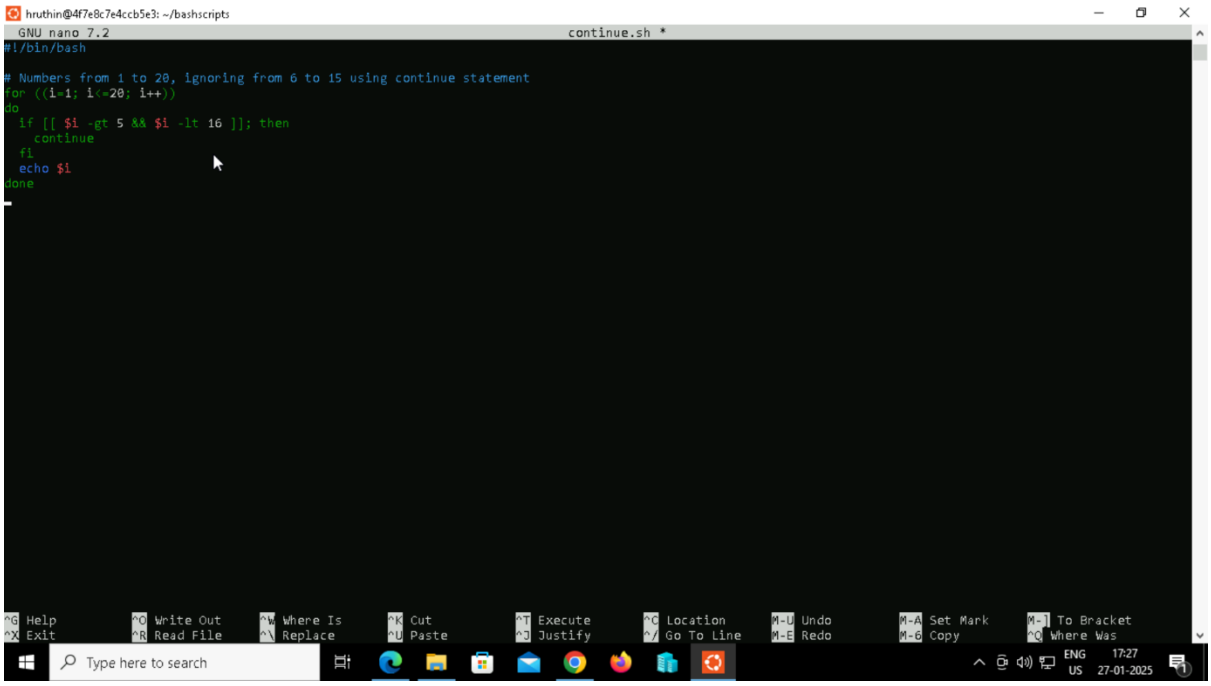
Output:



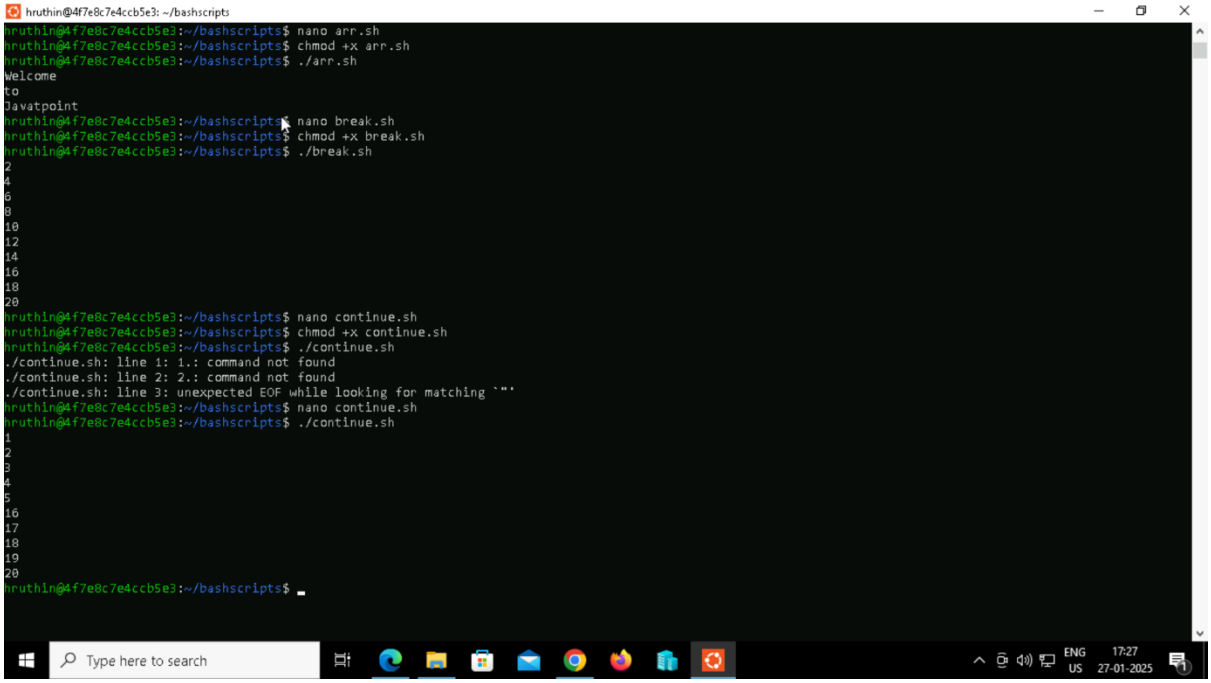
Example 4:

For Loop with a Continue Statement

Code:



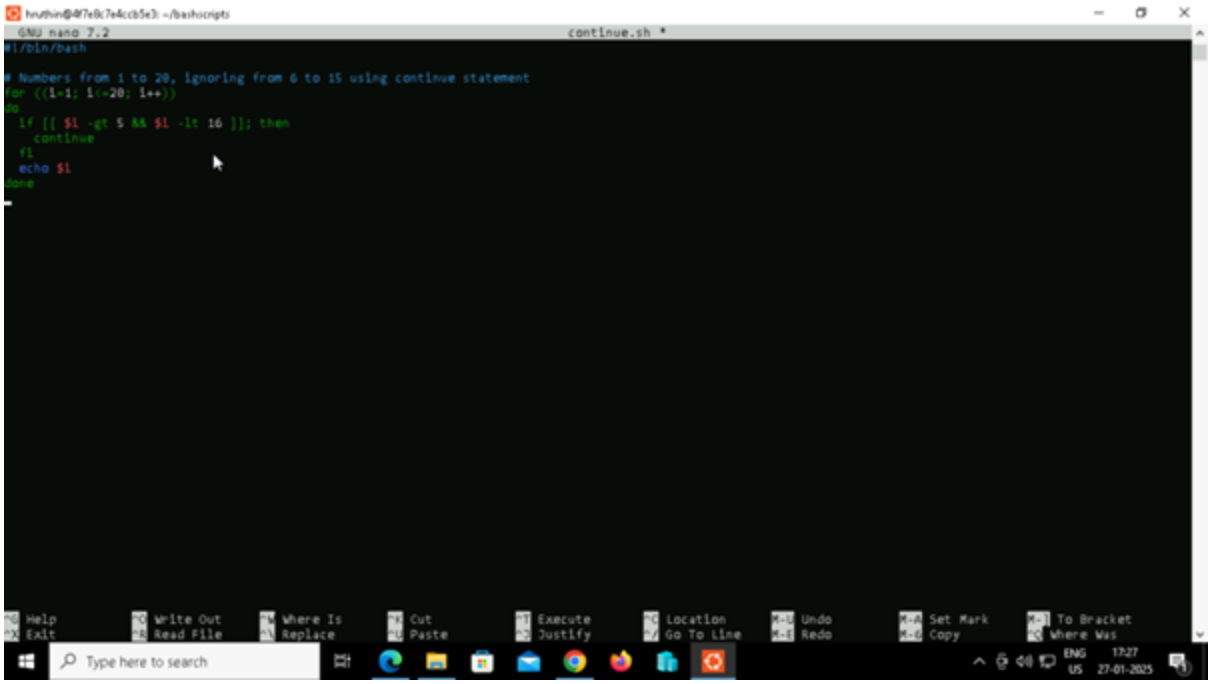
Output:



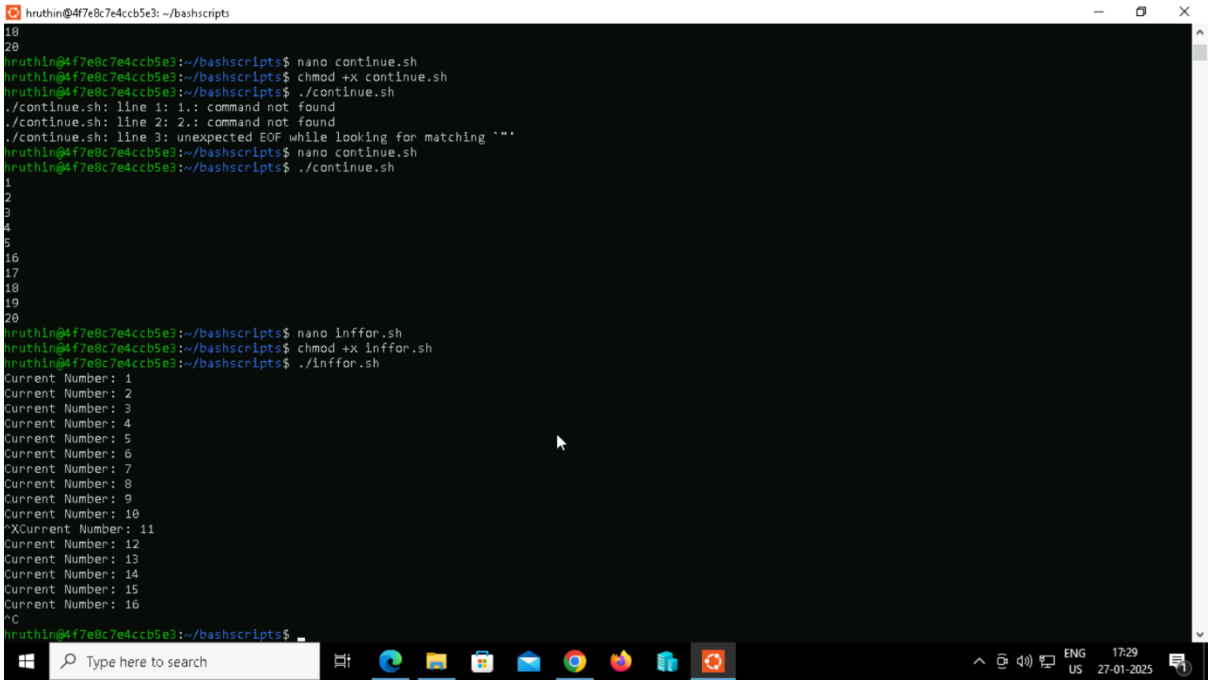
Example 5:

Infinite Bash For Loop:

Code:



Output :

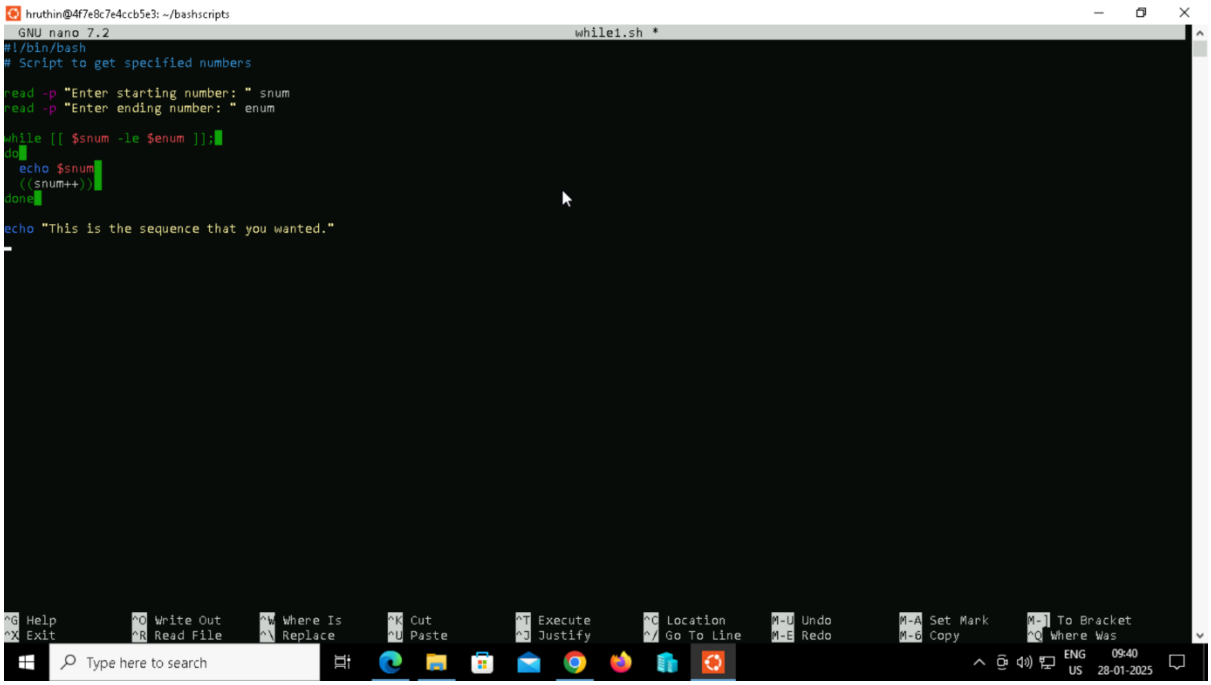


Bash While:

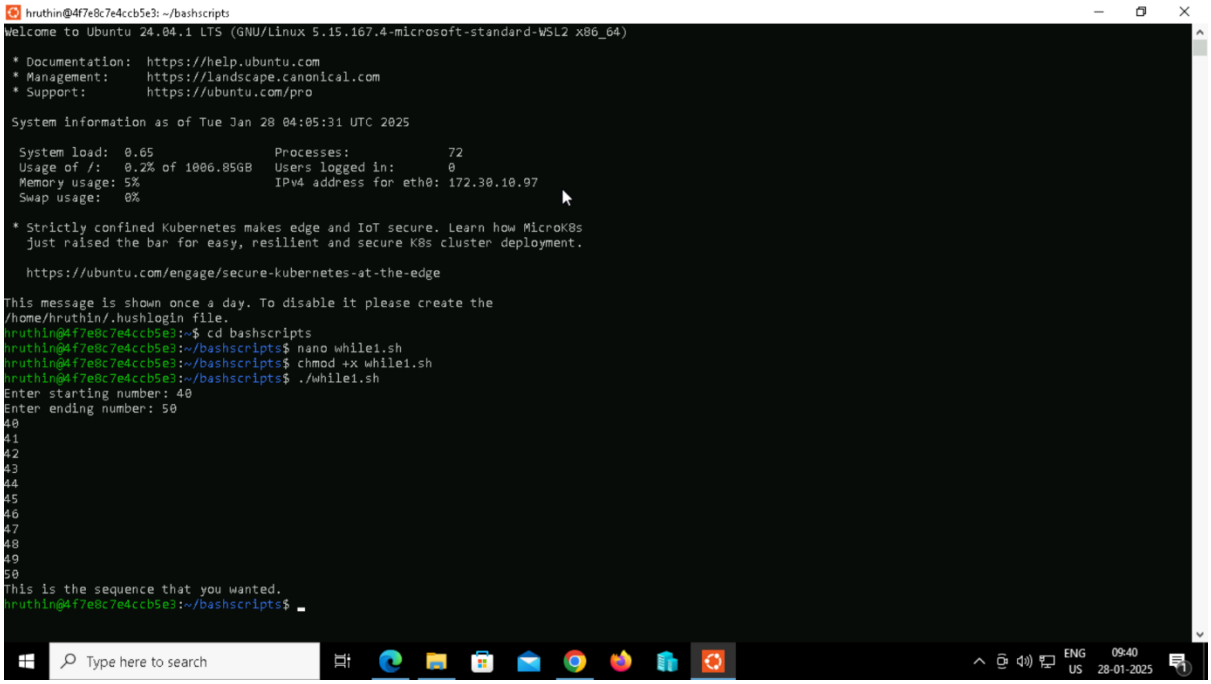
Example 1:

In this example, the while loop is used with a single condition in expression. It is the basic example of while loop which will print series of numbers as per user input:

Code :



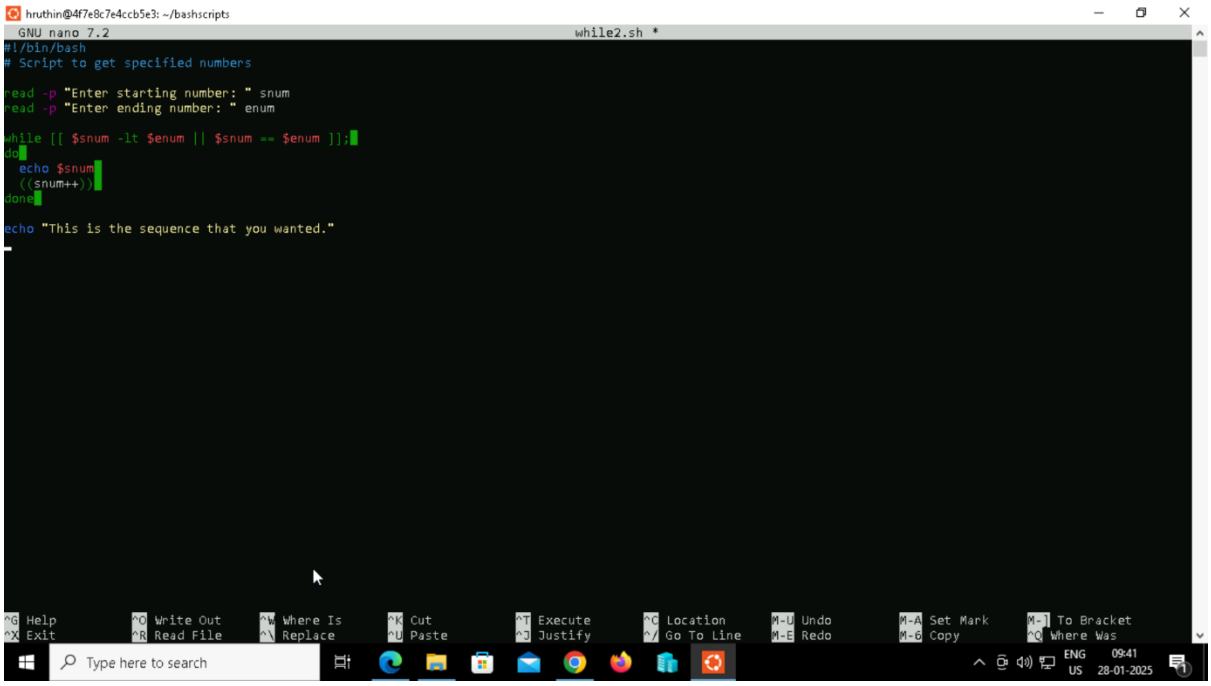
Output:



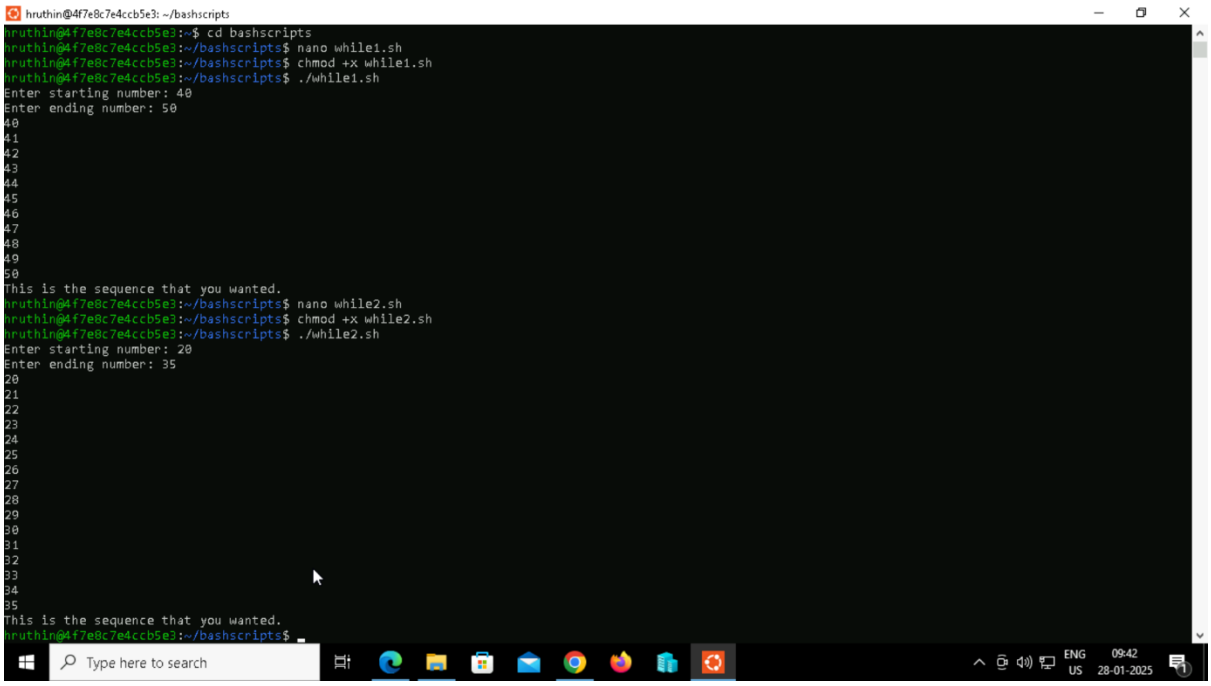
Example2:

While Loop with Multiple Conditions

Code:

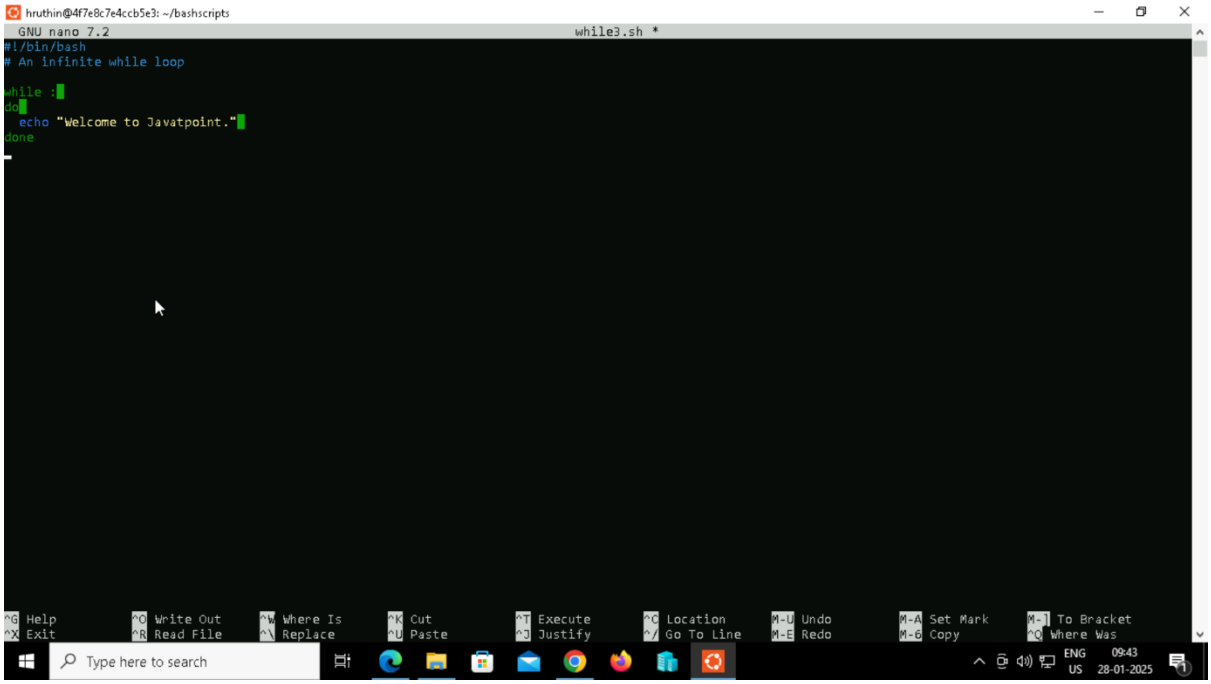


Output:

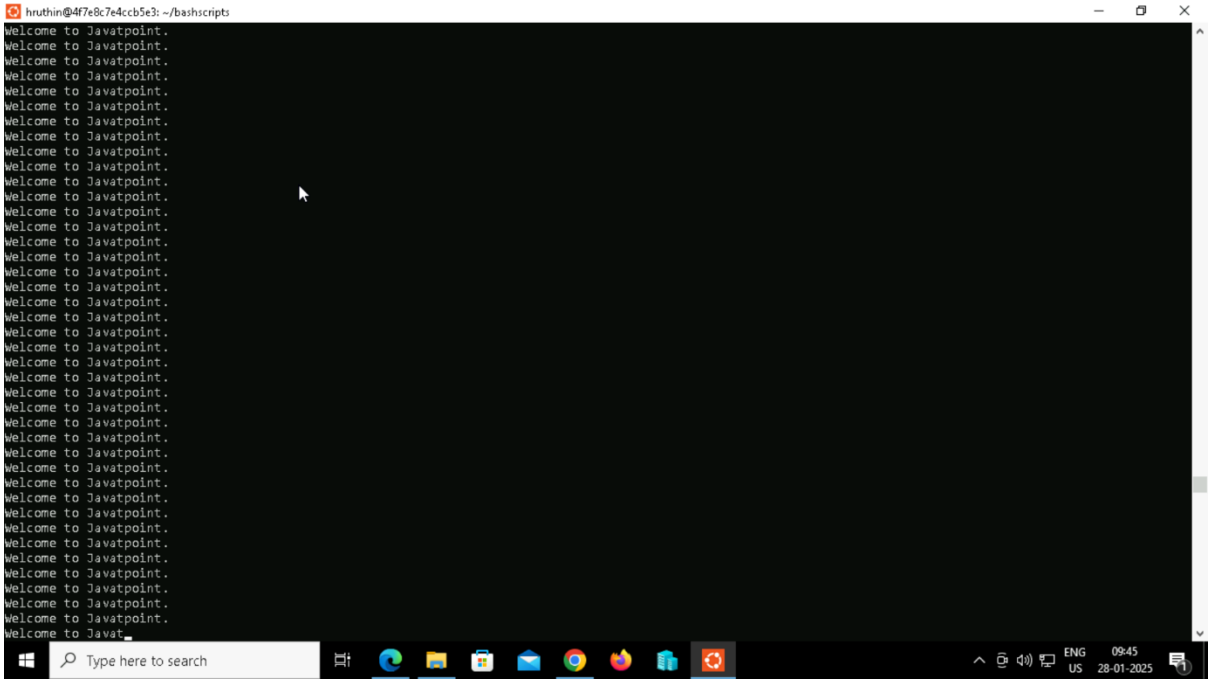


Example3:

Infinite Loop:



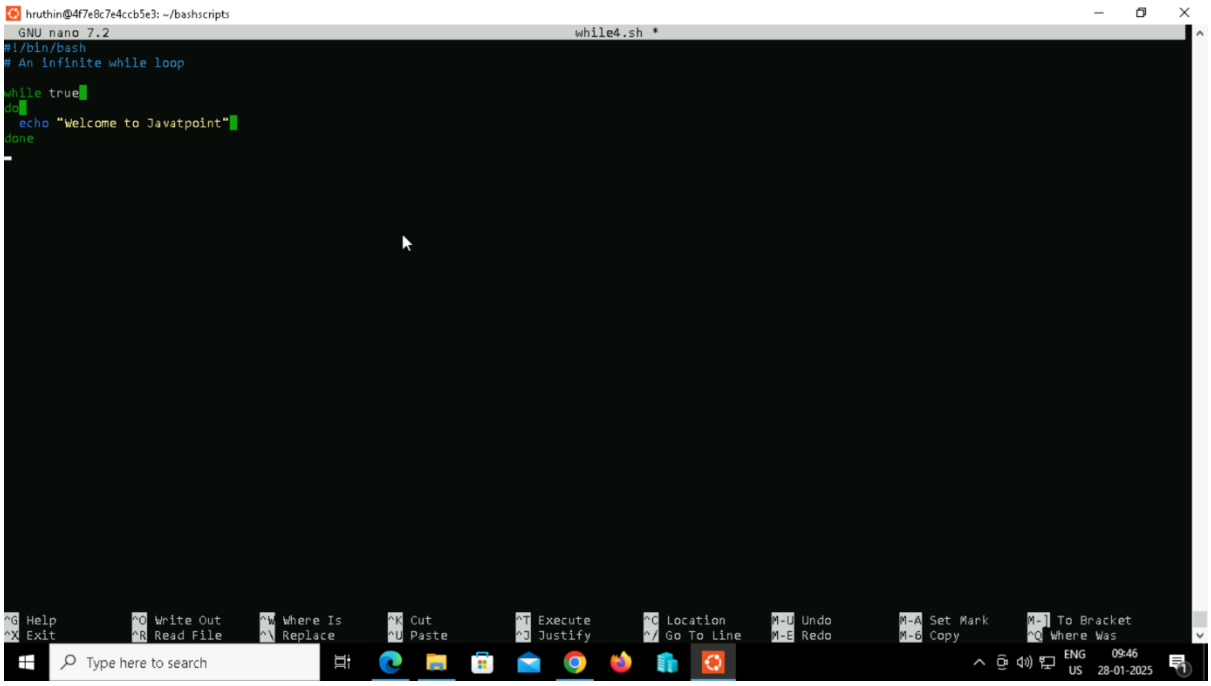
Output:



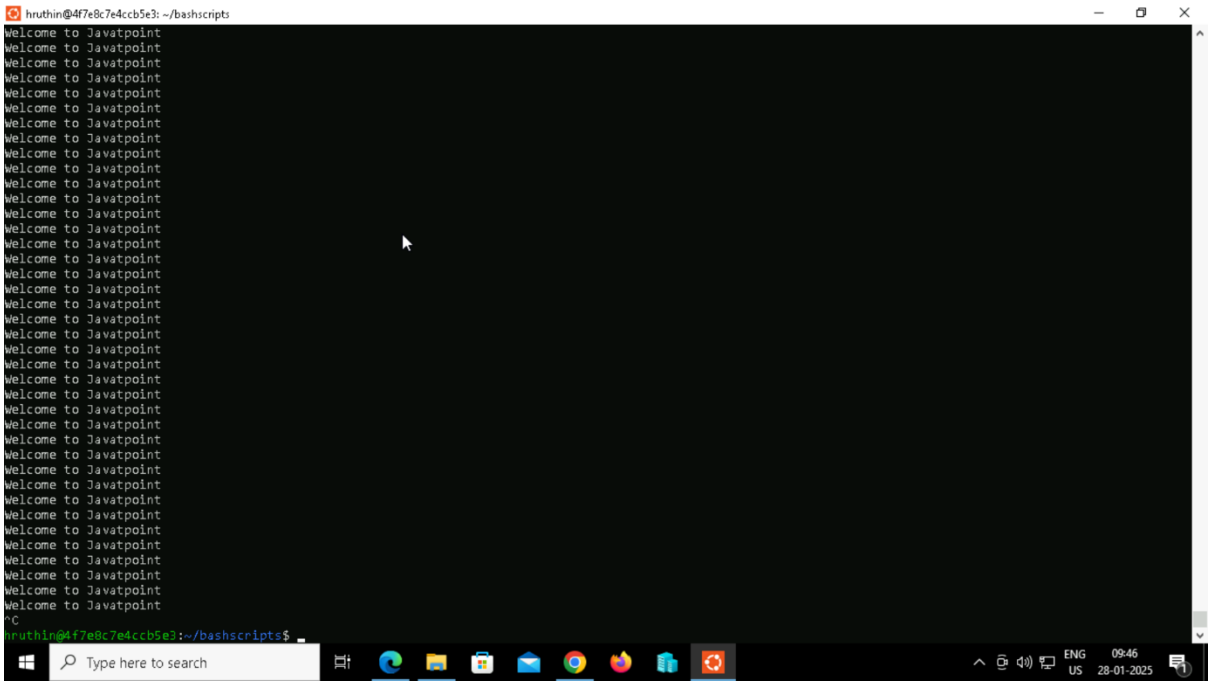
Example 4:

Infinite loop 2:

Code:



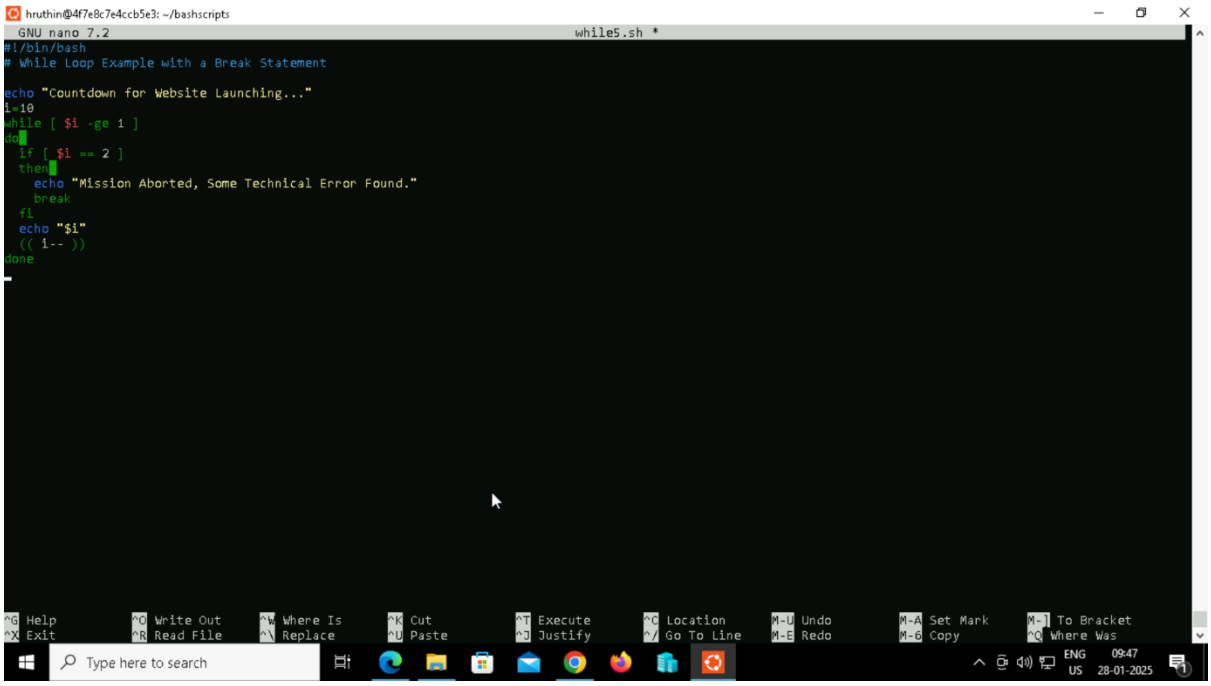
Output:



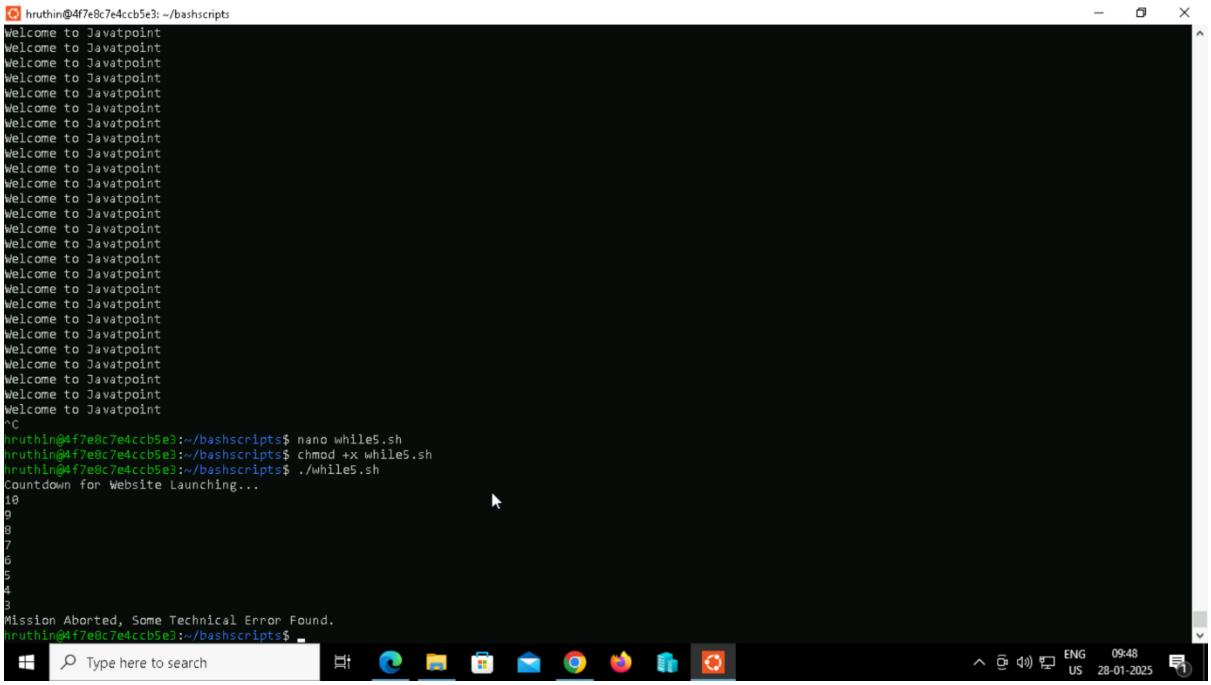
Example 5:

While Loop with a Break Statement:

Code:



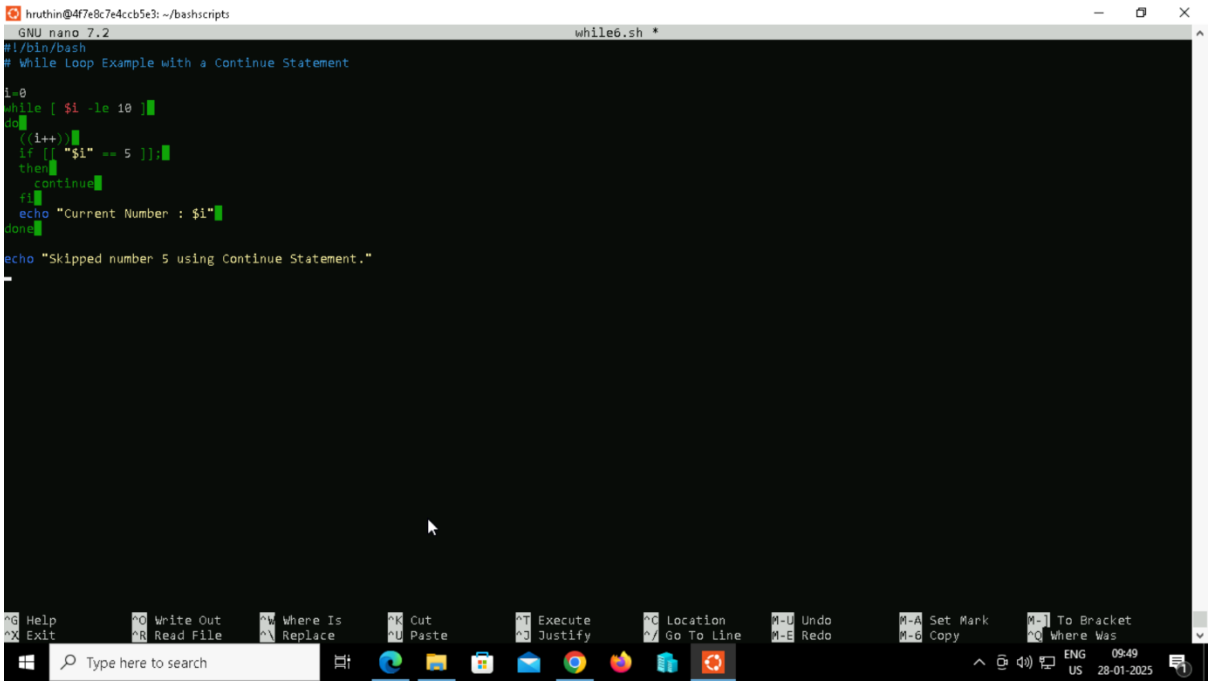
Output:



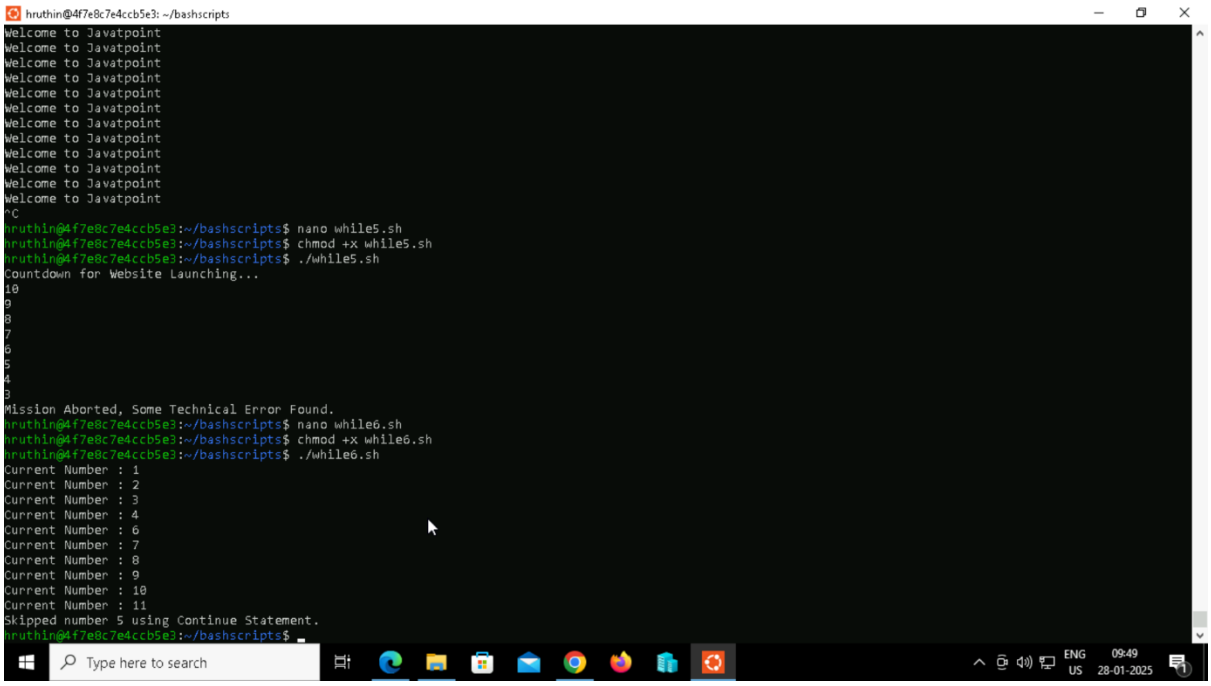
Example 6:

While Loop with a Continue Statement:

Code:



Output:

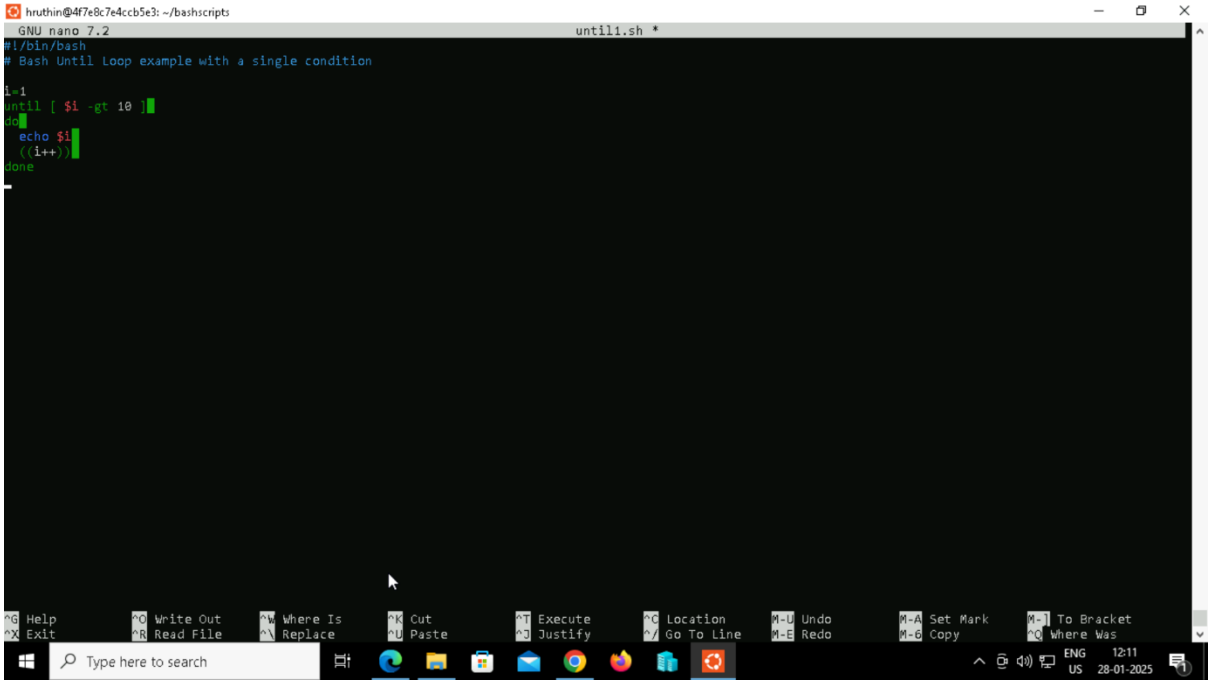


Until Loop:

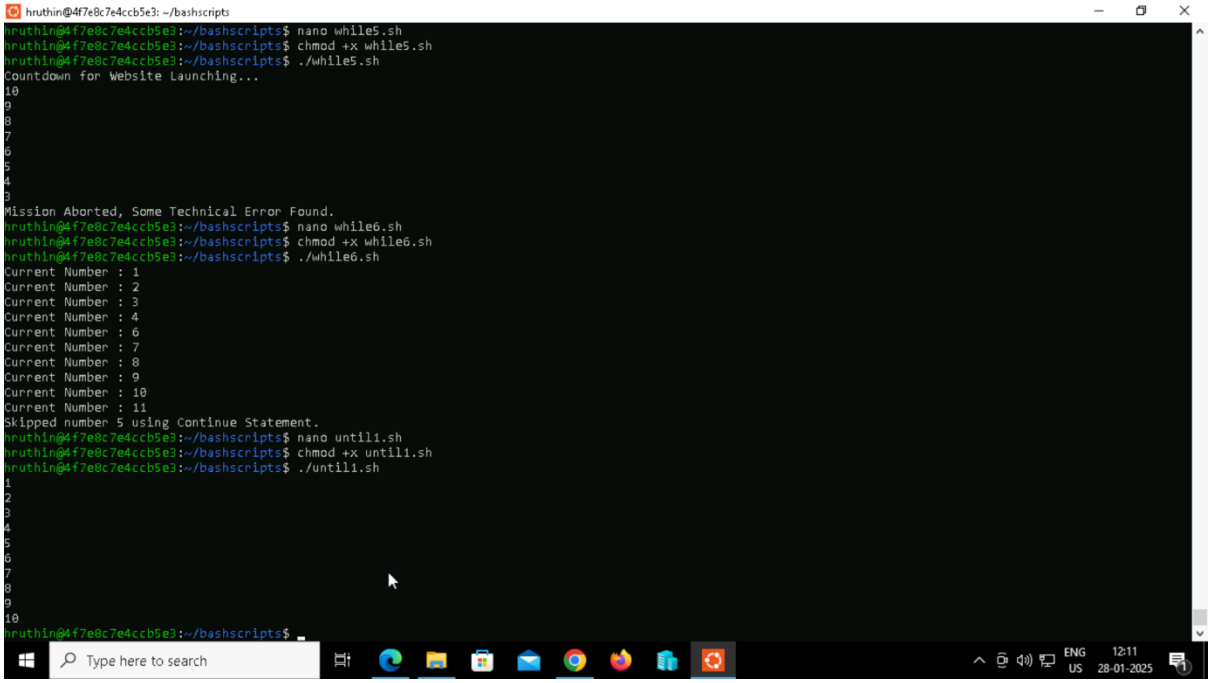
Example 1:

Until Loop with Single Condition :

Code:



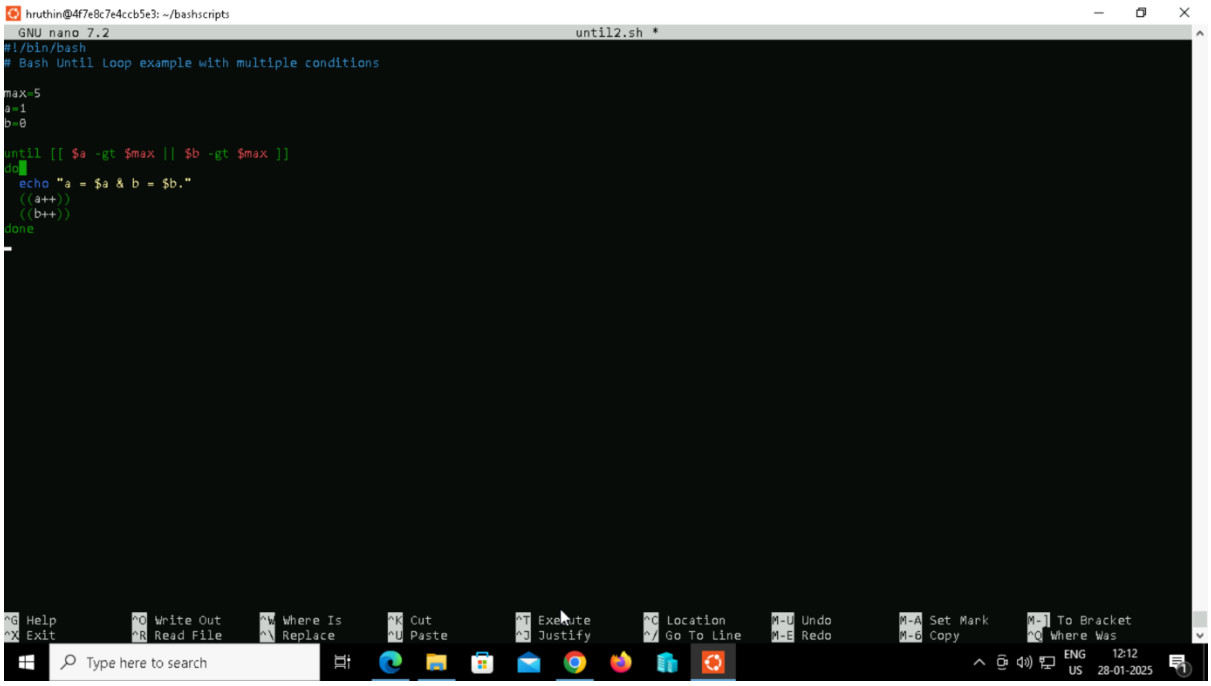
Output:



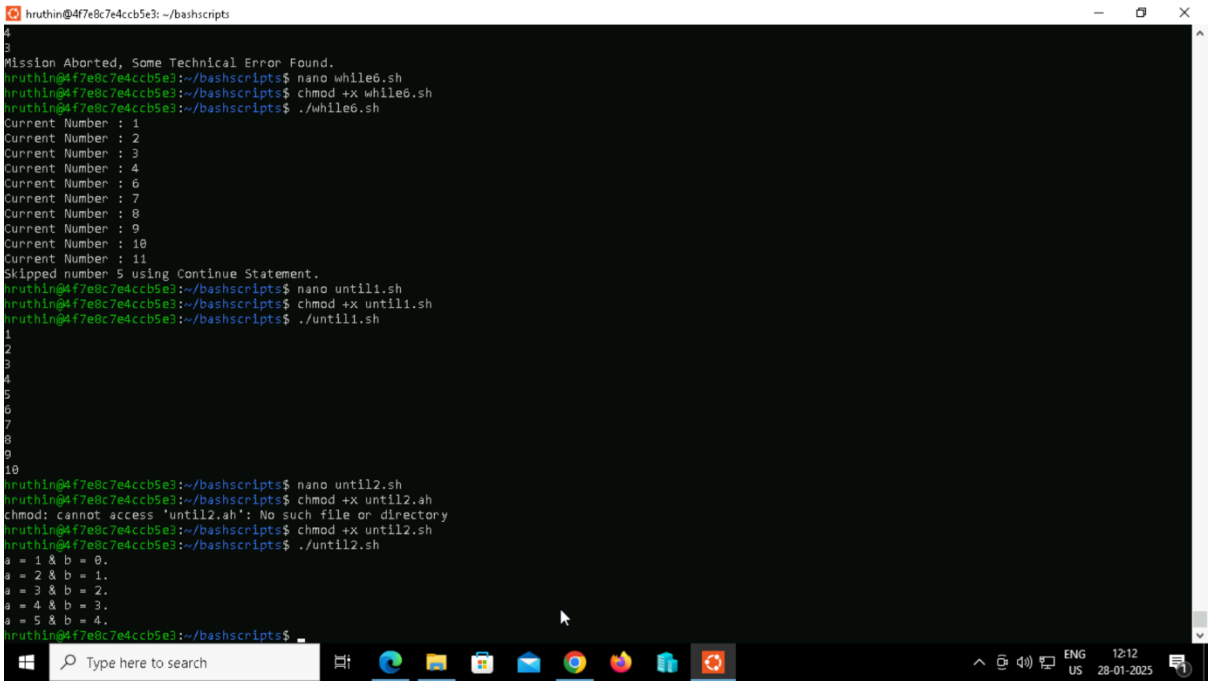
Example 2:

Until Loop with Multiple Conditions:

Code:



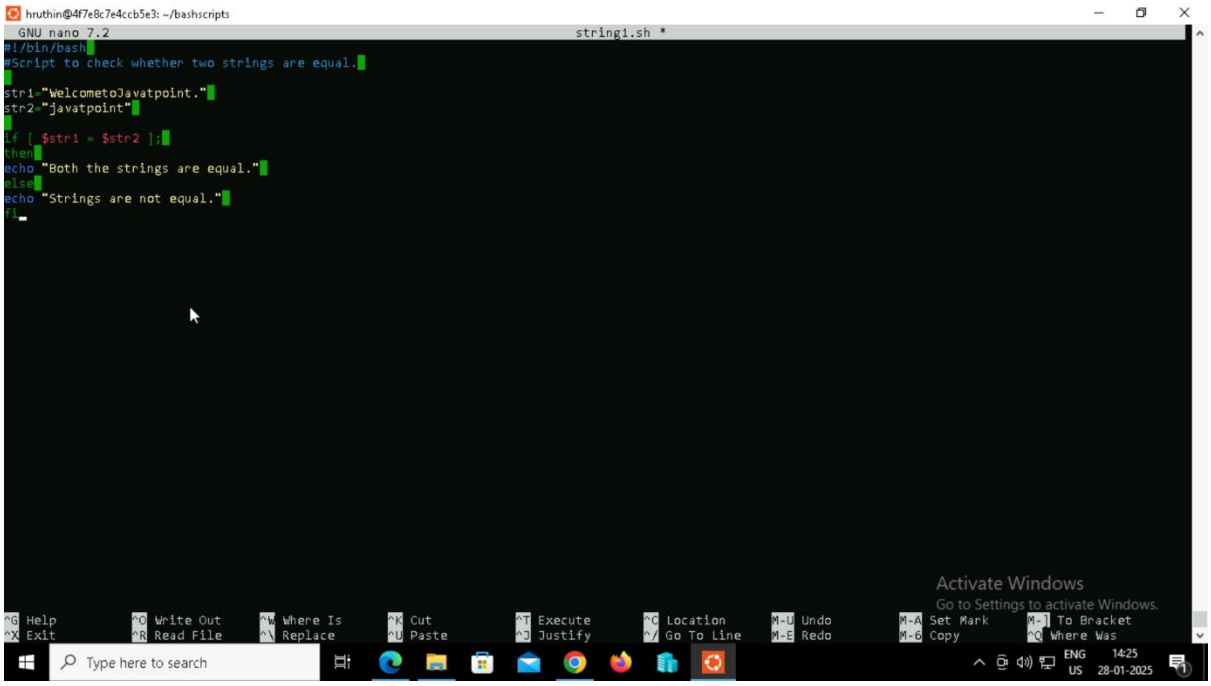
Output:



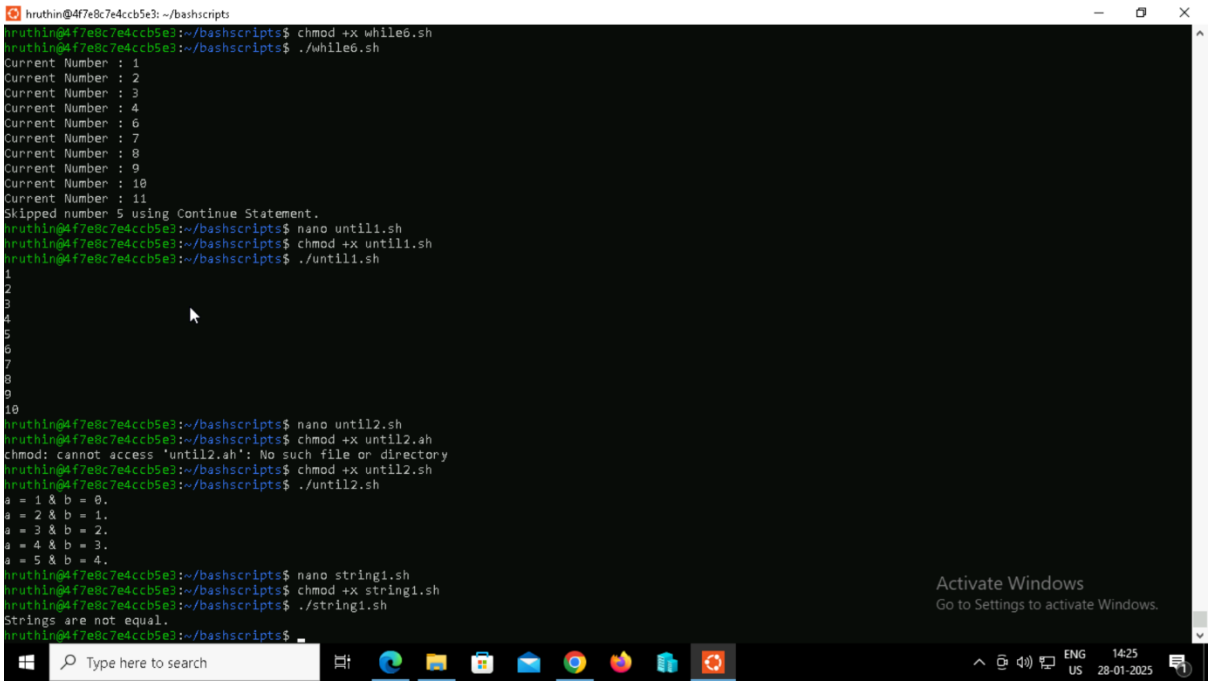
Strings:

Example 1: An equal operator (=) is used to check whether two strings are equal.

Code:



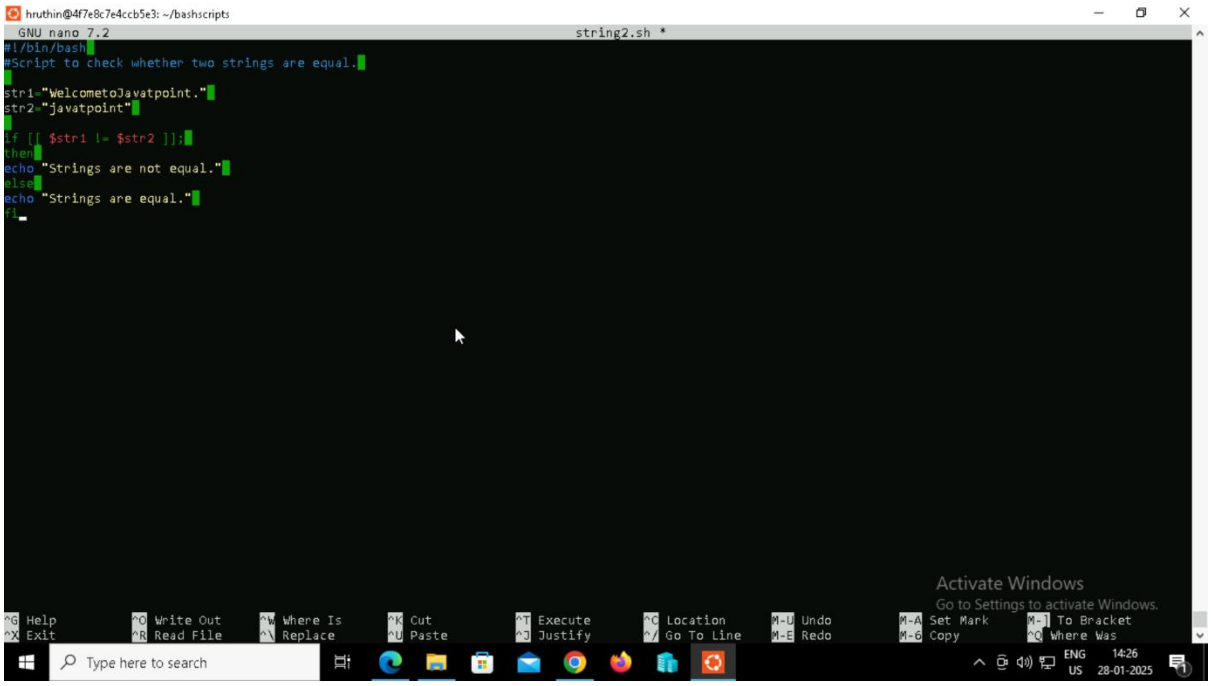
Output:



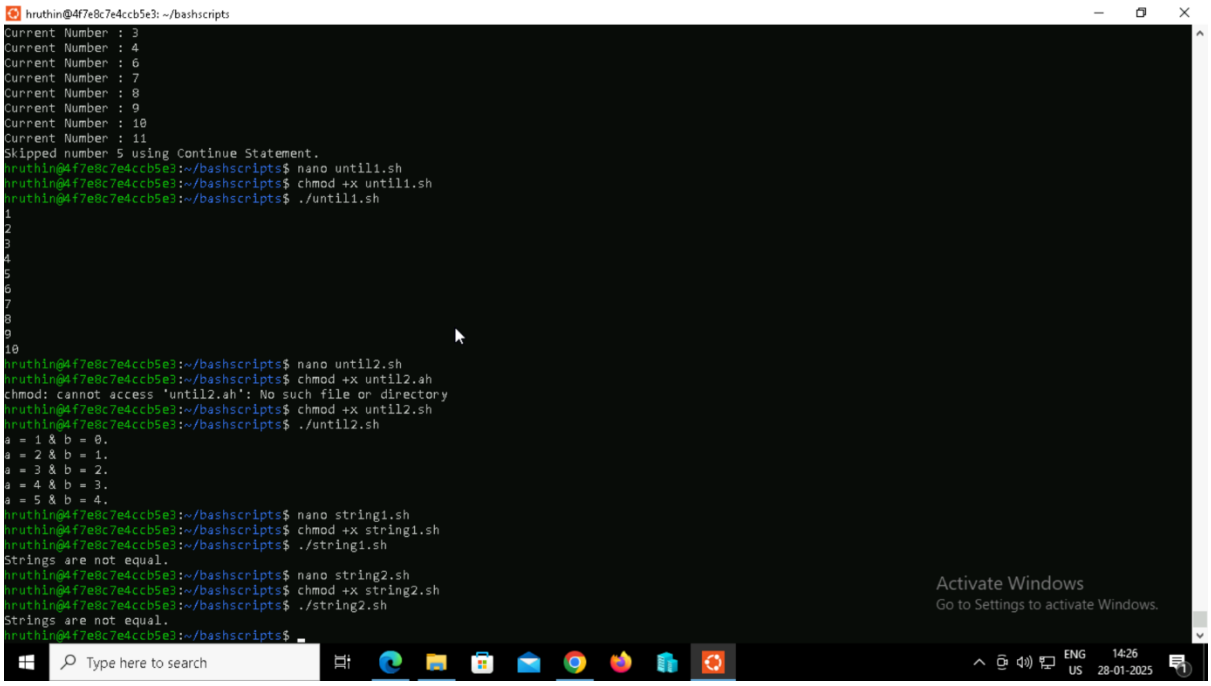
Example2:

Not equal operator (!=) is used to define that strings are not equal.

Code:



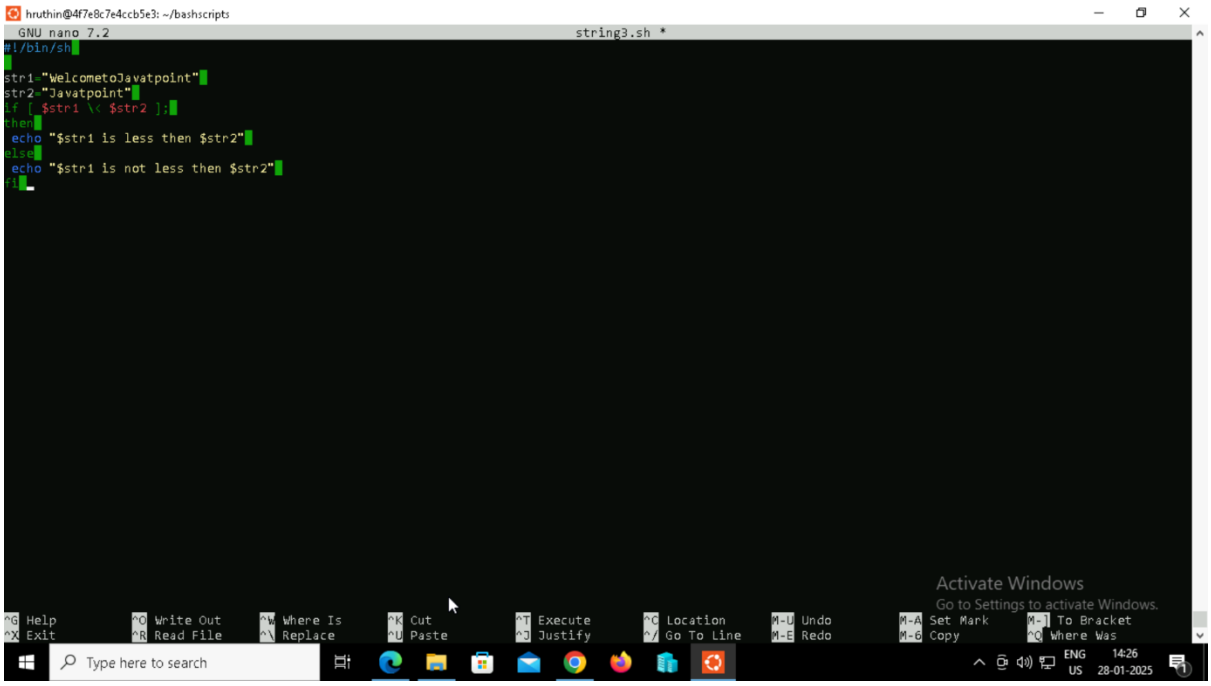
Output:



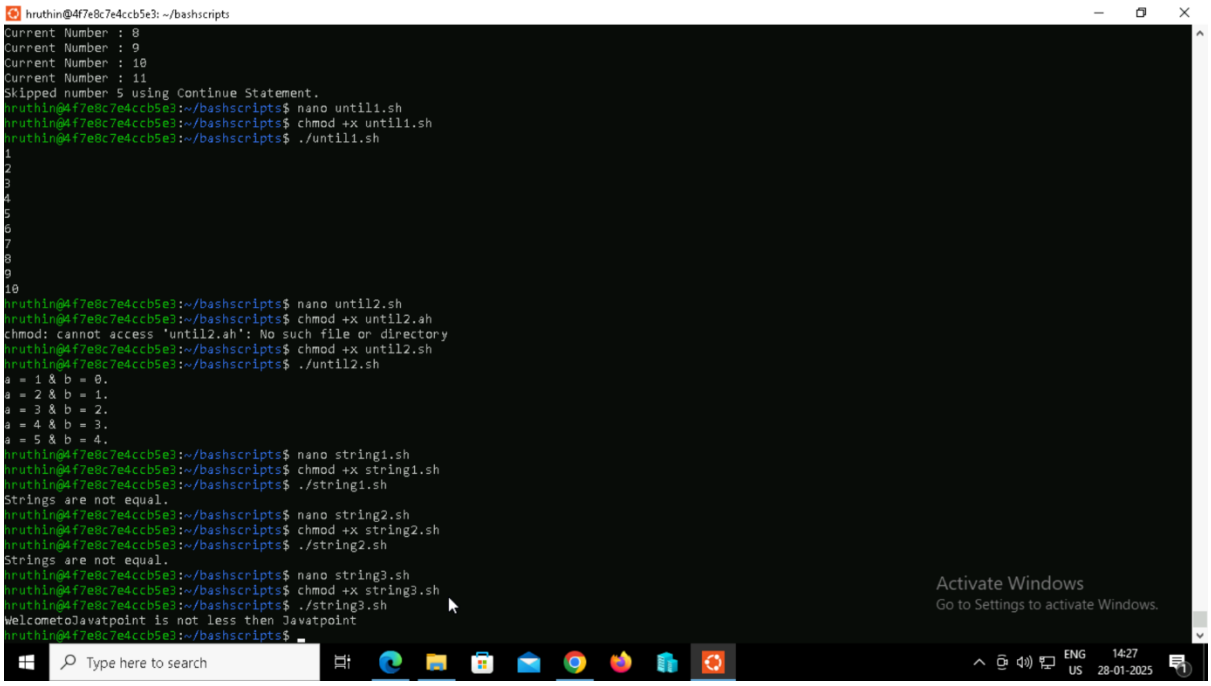
Example 3:

The less than operator

Code:



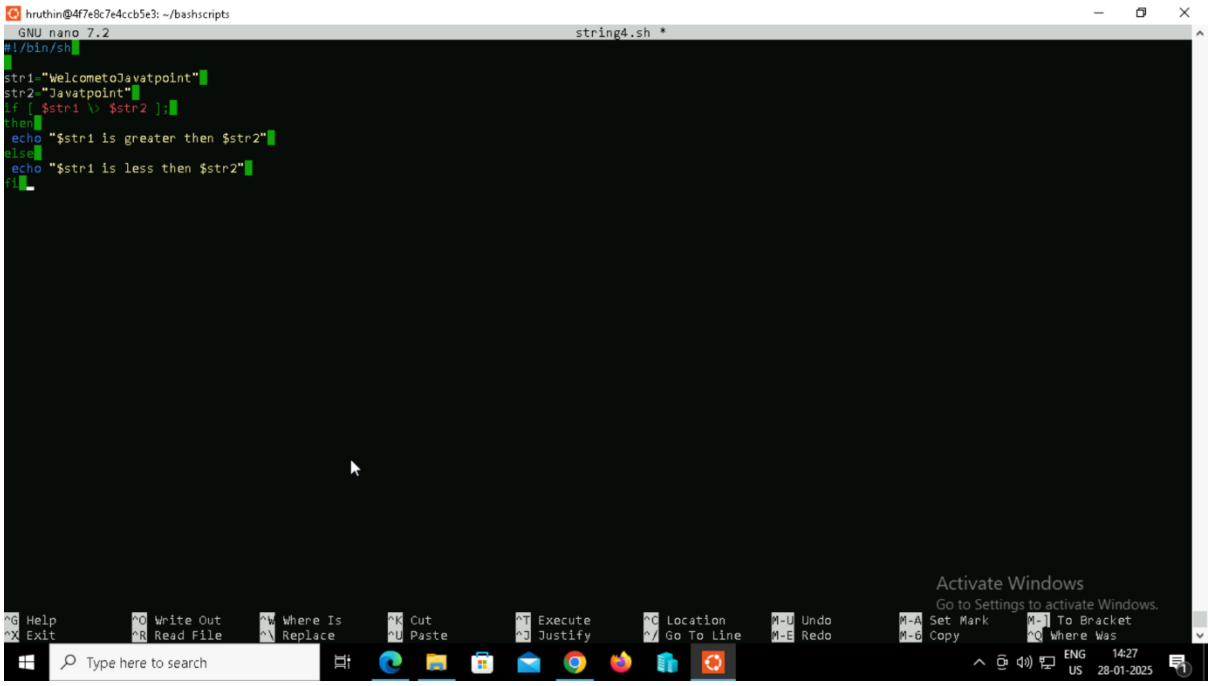
Output:



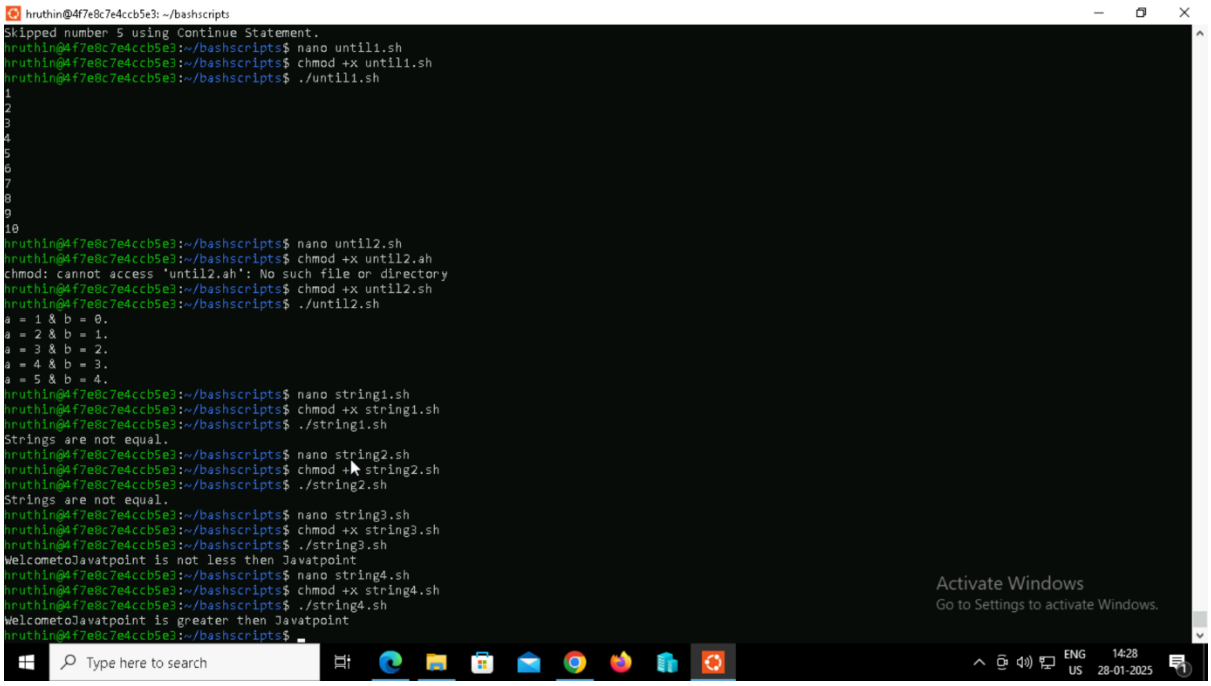
Example 4:

The 'greater than operator (\>)` is used to check if string1 is greater than string2.

Code:



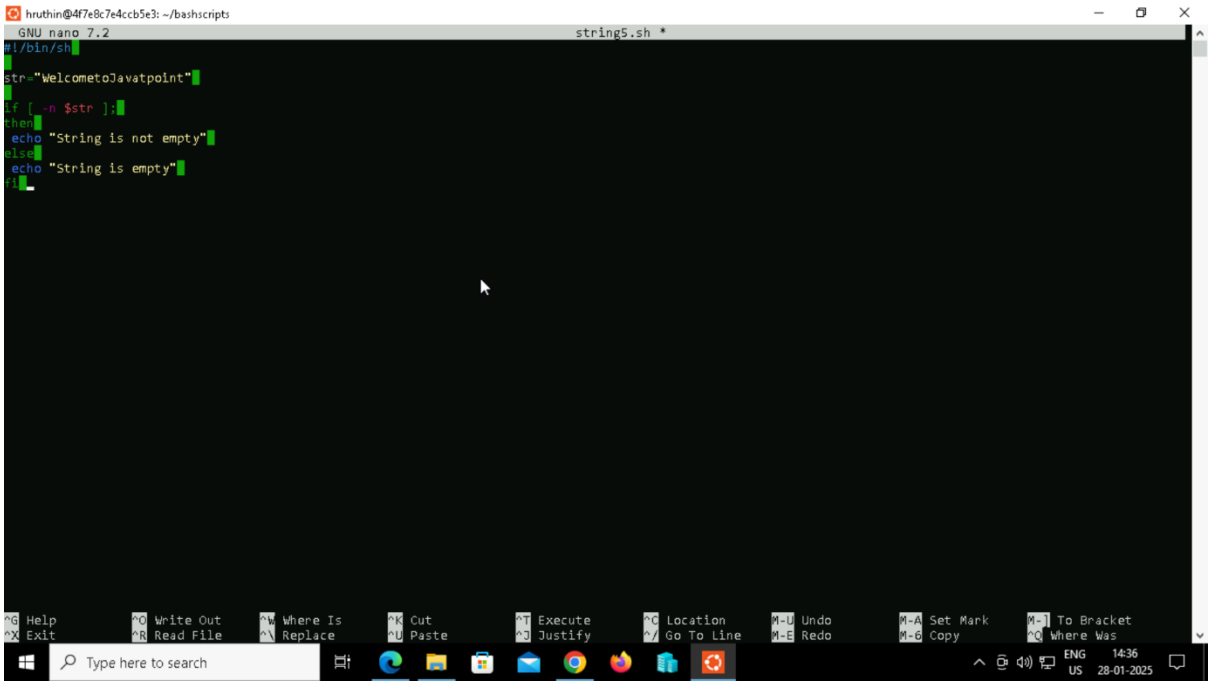
Output:



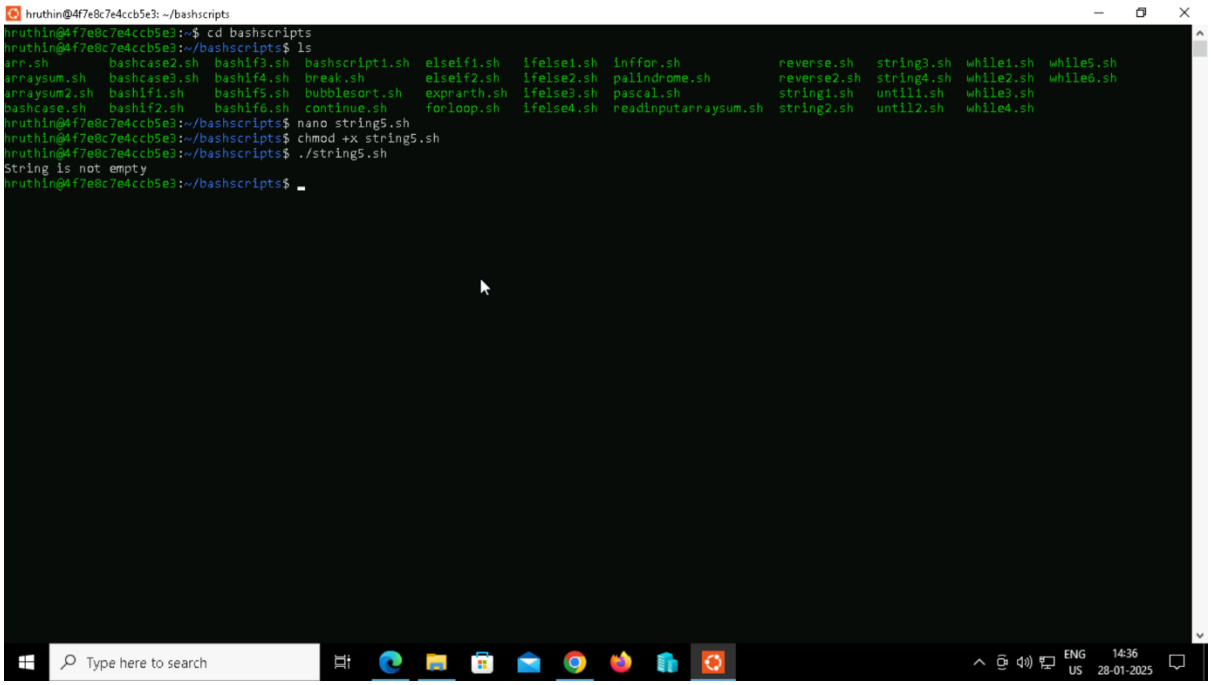
Example 5:

To check if the string length is greater than Zero:

Code:



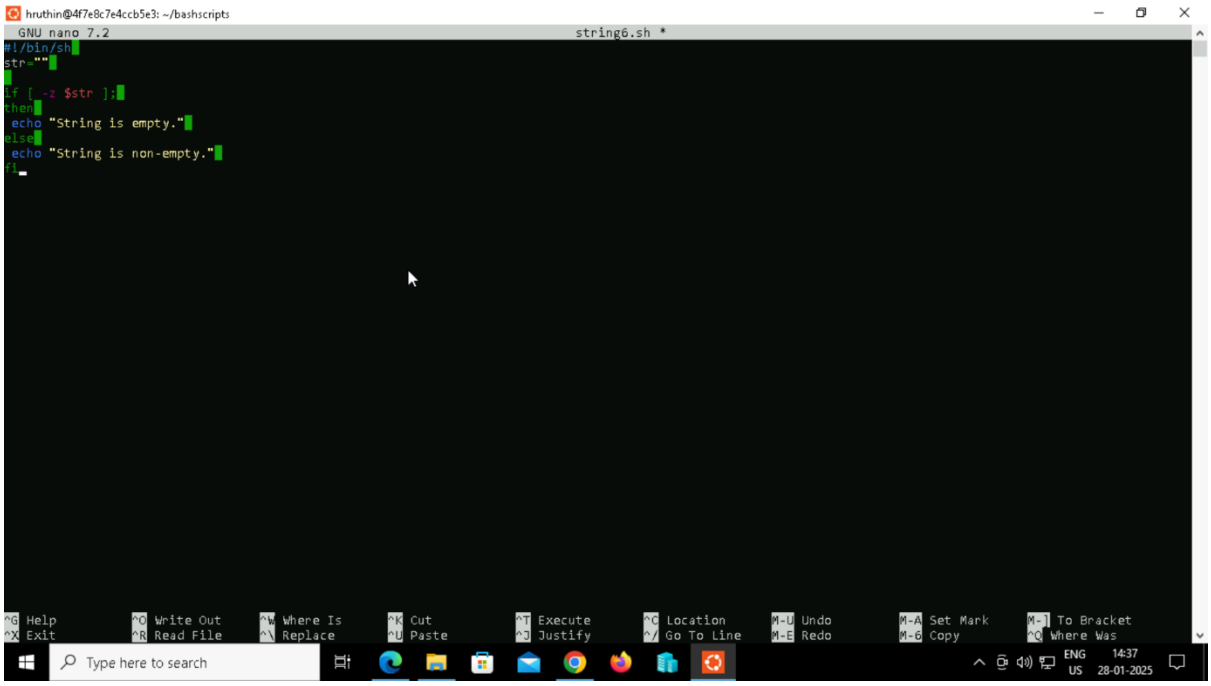
Output:



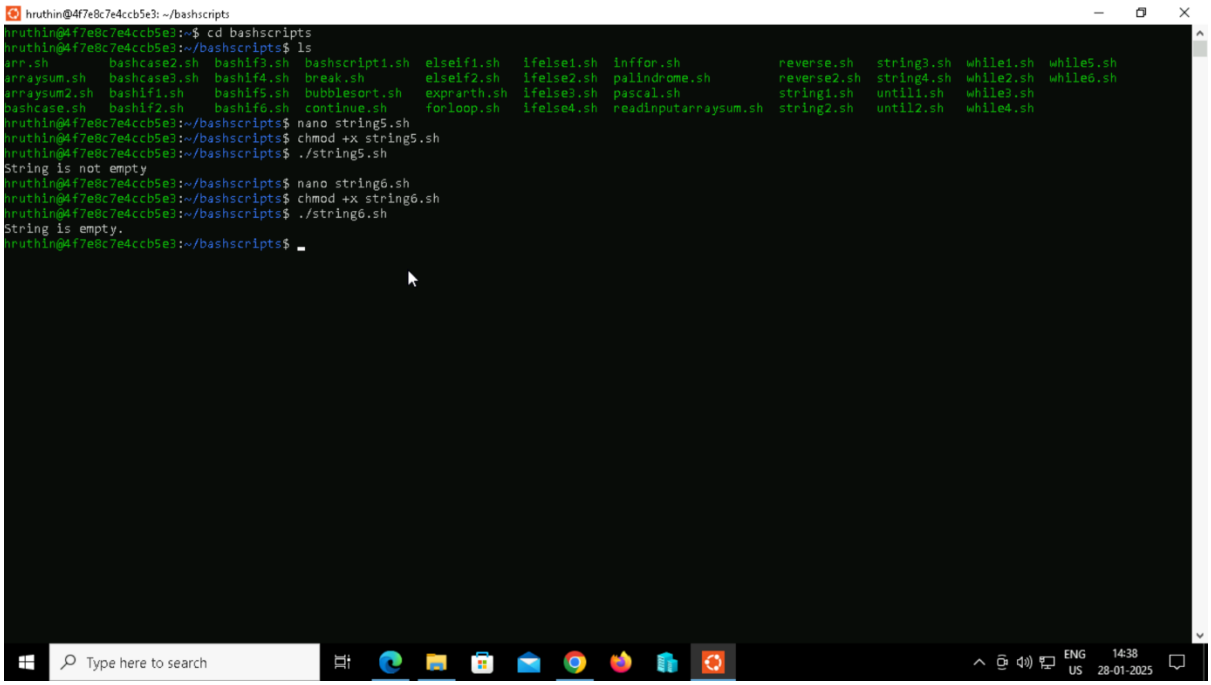
Example 6:

To check if the string length is equal to Zero

Code:



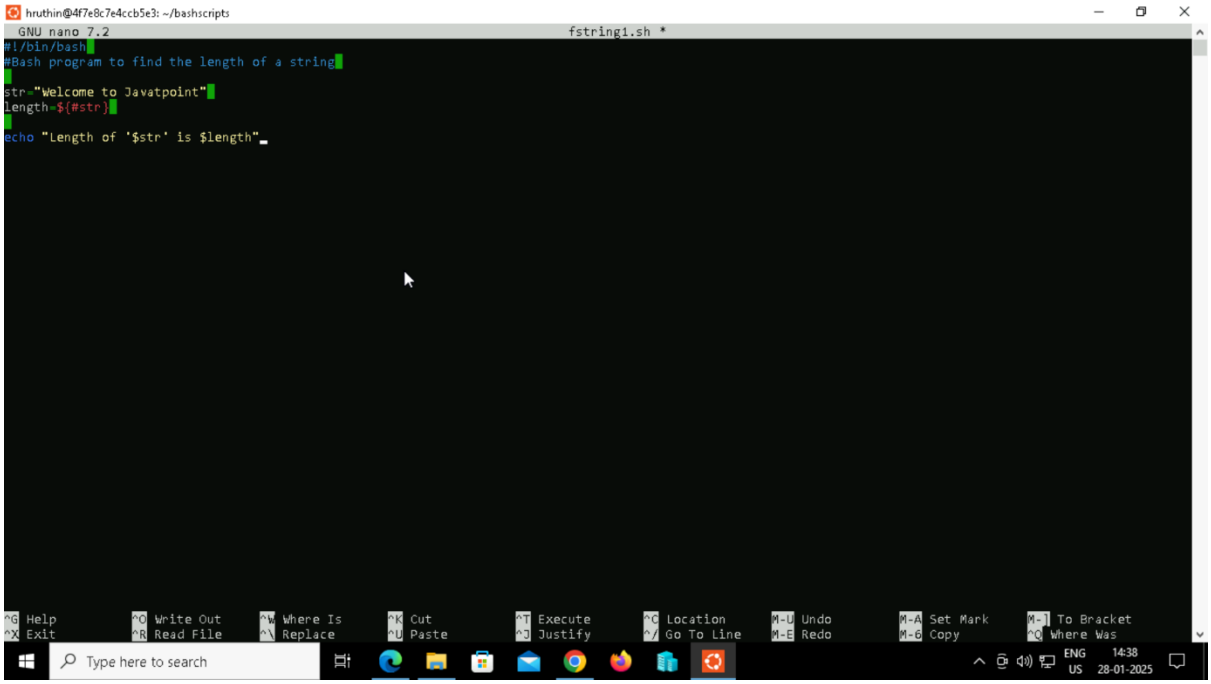
Output:



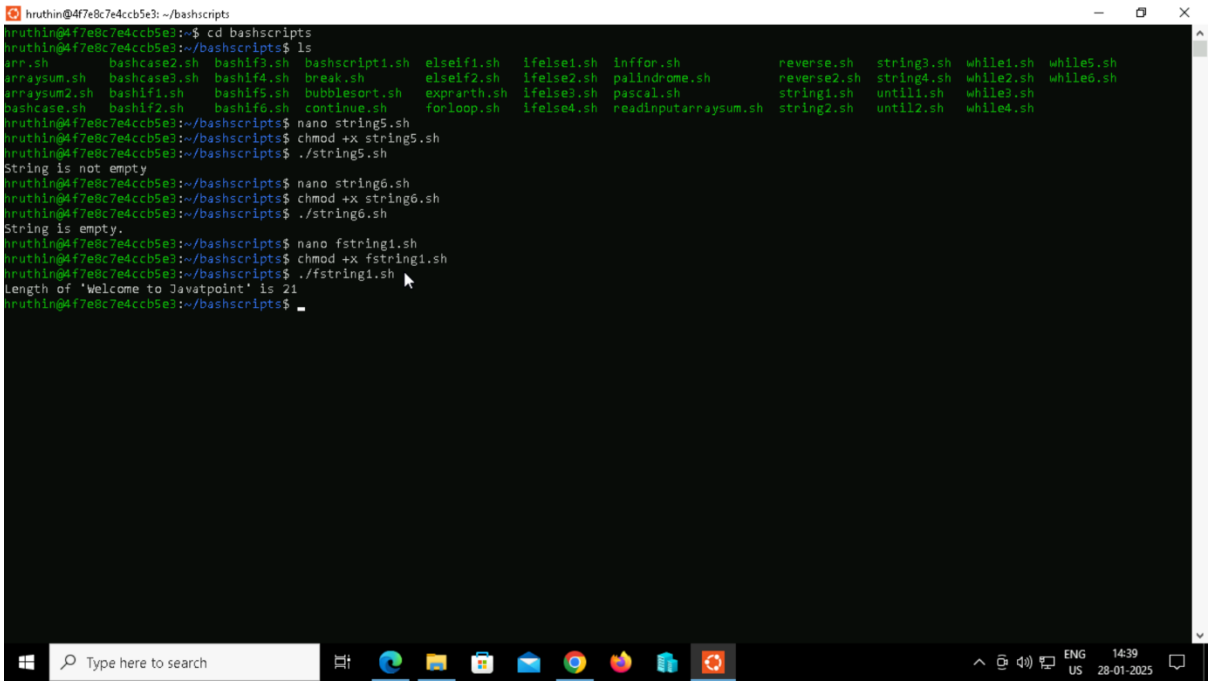
Find String:

Example 1 The simplest way to calculate the length of a string is to use '#' symbol. In this example, we have used $[#string_variable_name} to find the length of a string.

Code:

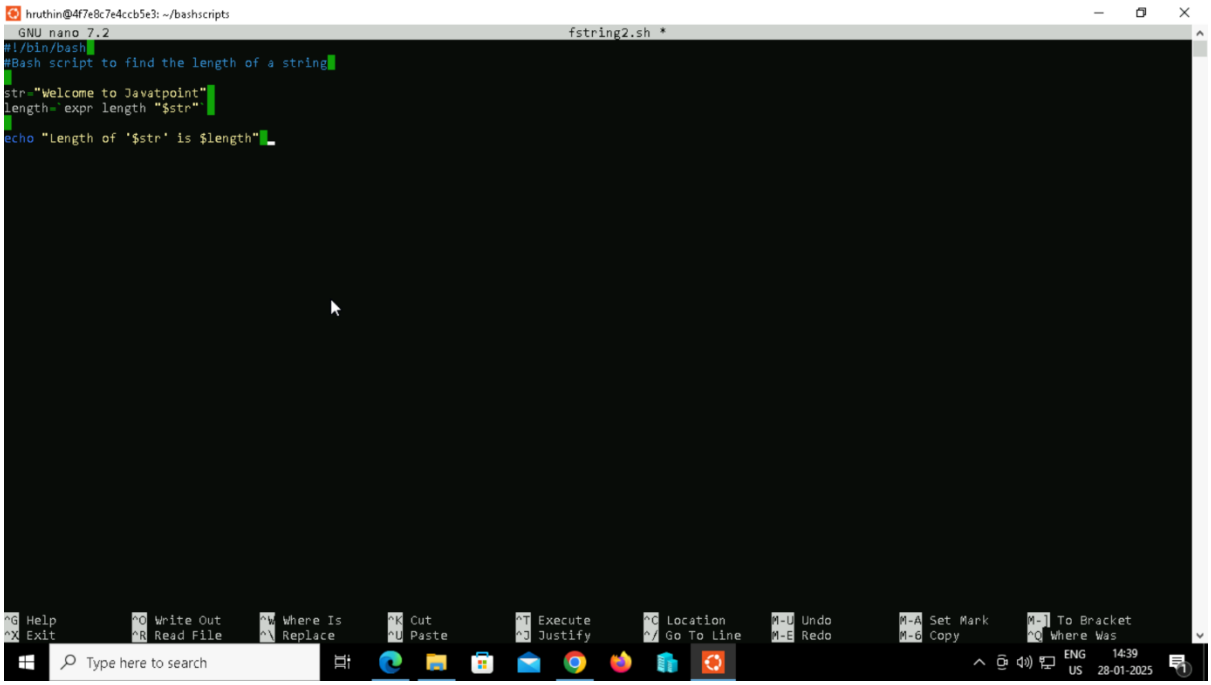


Output:

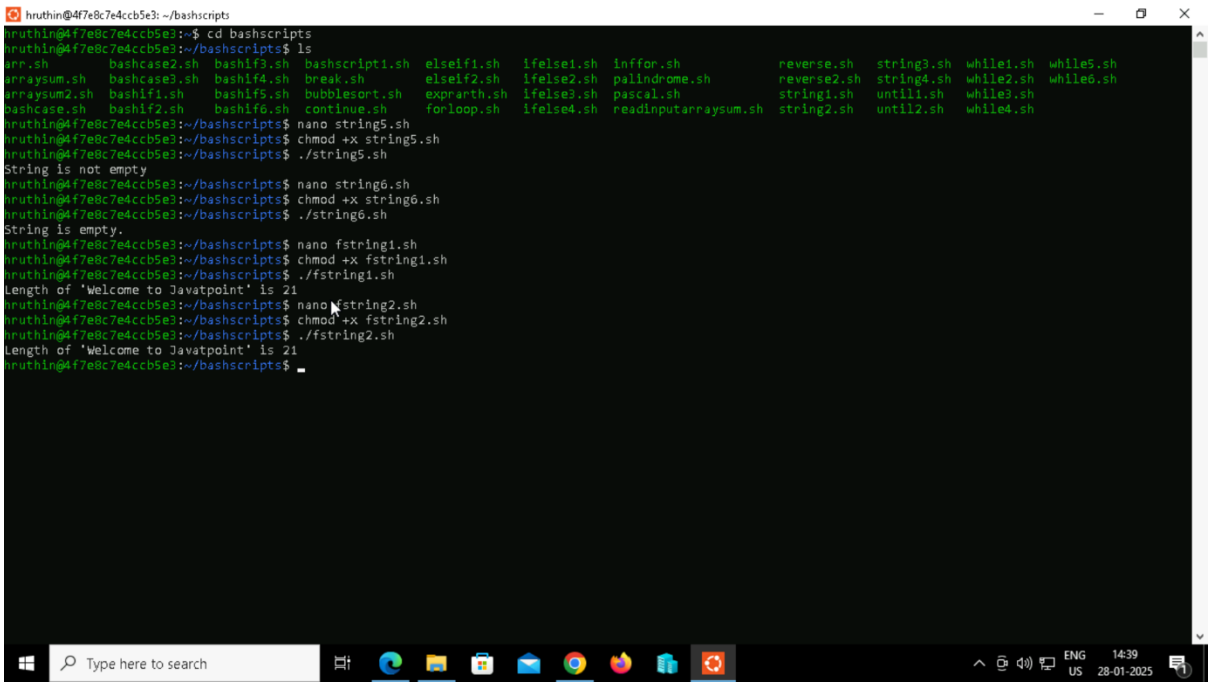


Example 2 Another way to calculate the length of a string is to use `expr` command with the 'length' keyword. In this example, we have used `expr length "$str"` to find the length of a string.

Code:

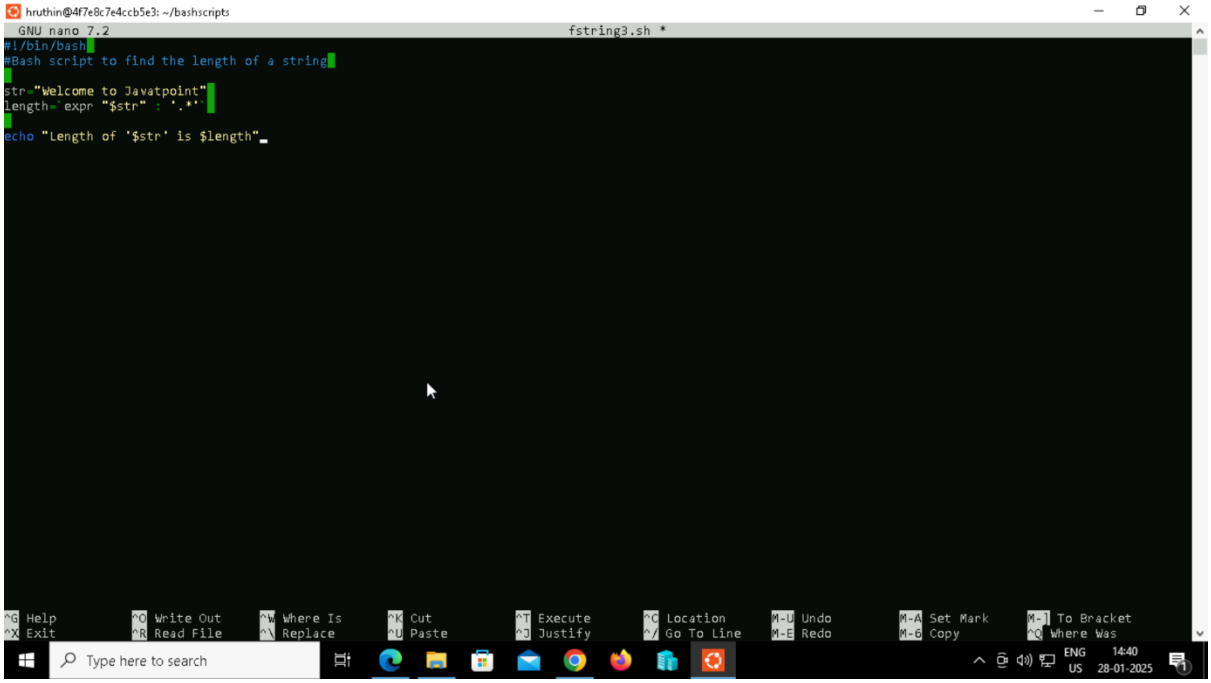


Output:

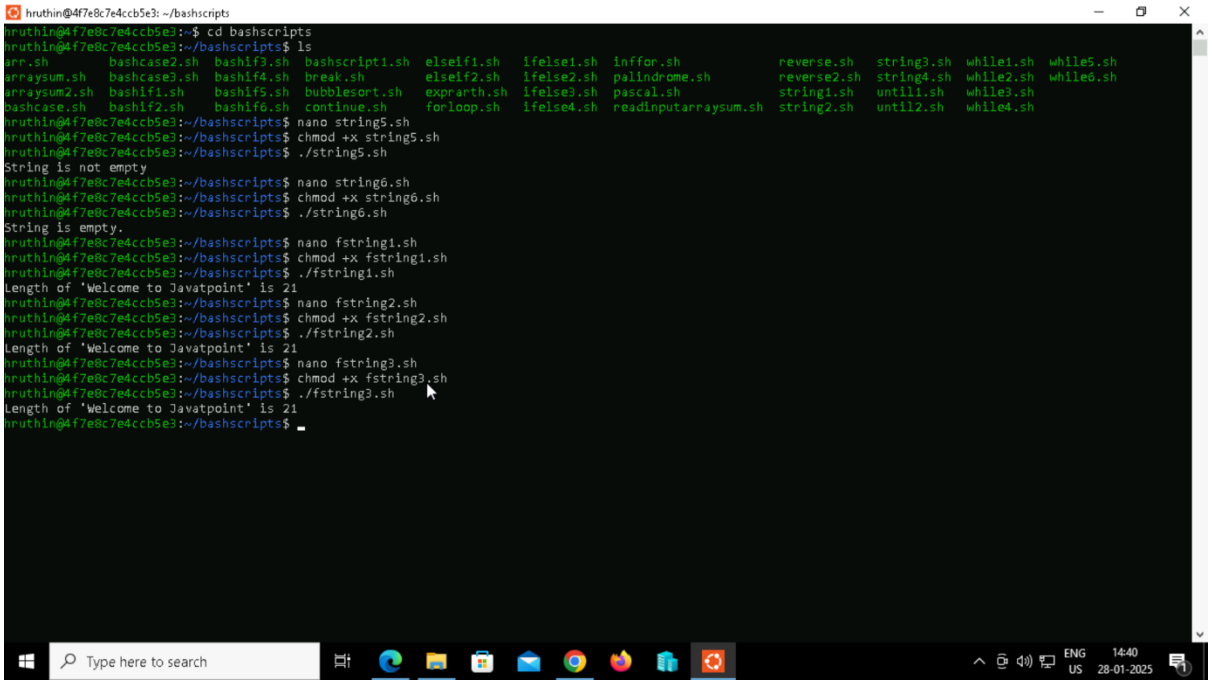


Example 3 In this example, we have used `expr "$str": ' .*'`to find the length of a string. Here, str is a string variable.

Code:

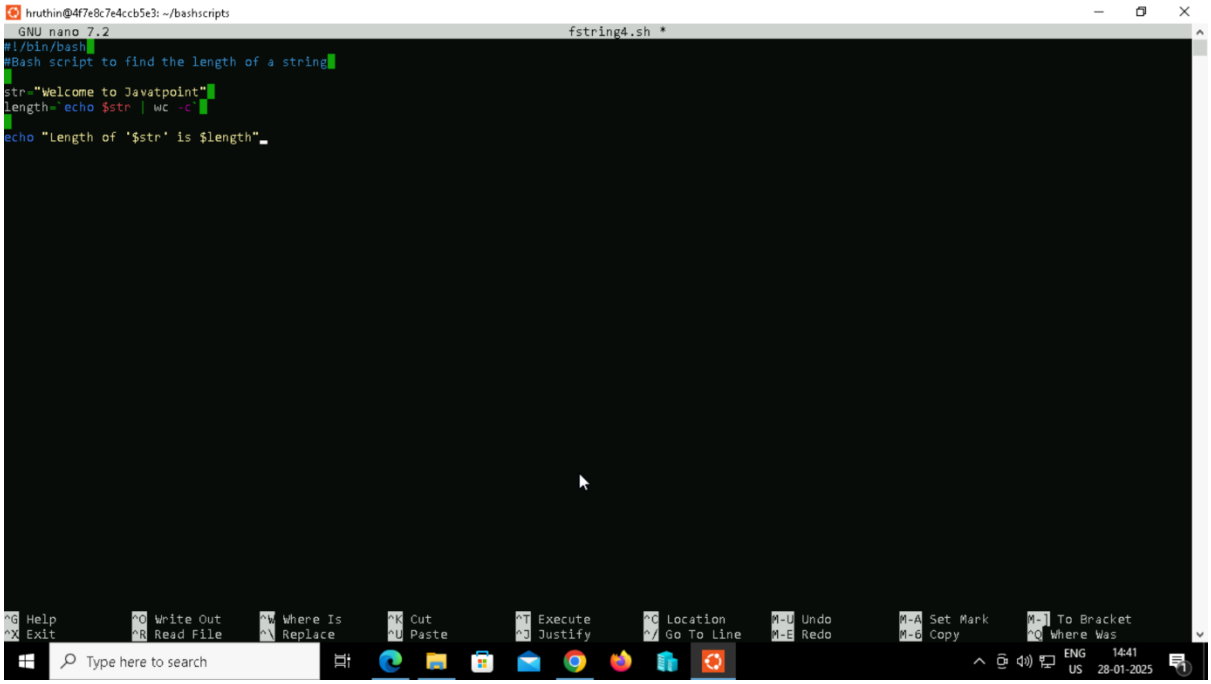


Output:

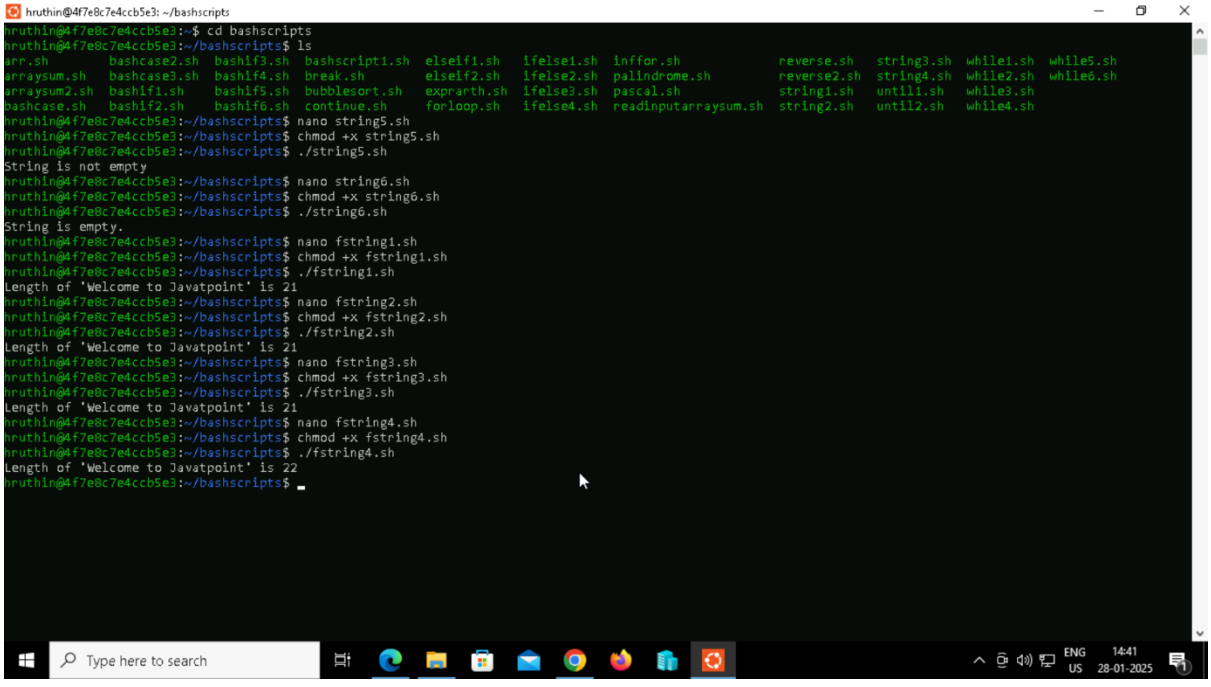


Example 4 In this example, we have used `wc` command to find the length of a string.

Code:

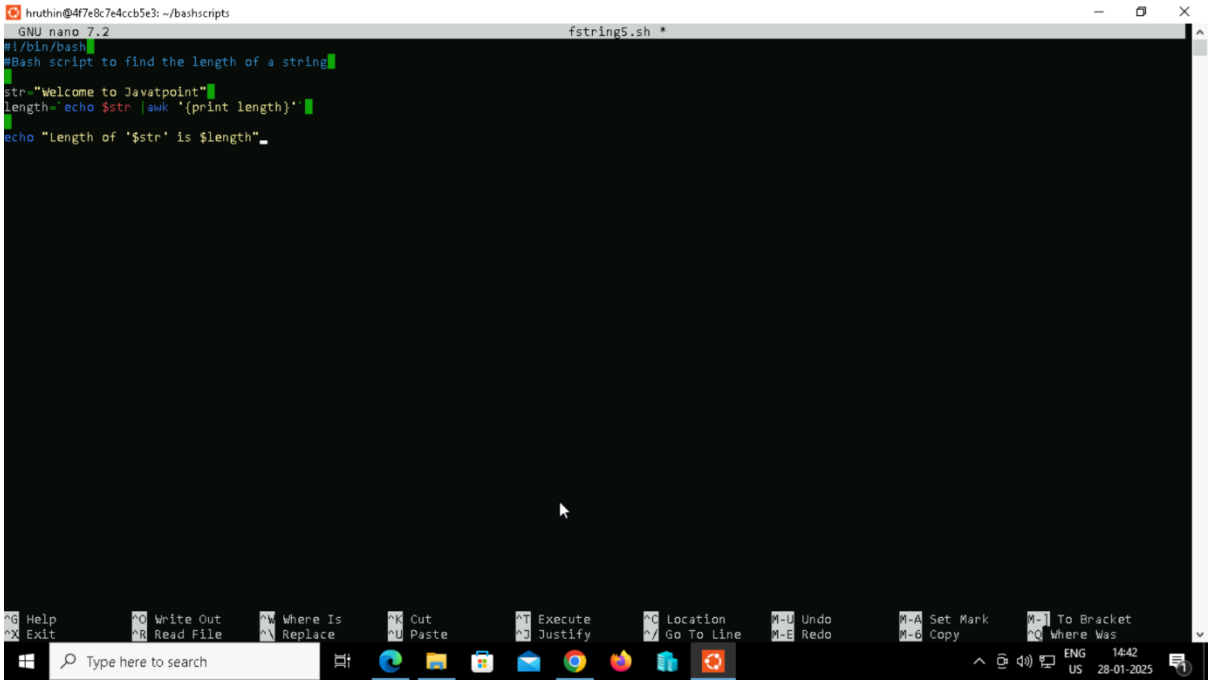


Output:

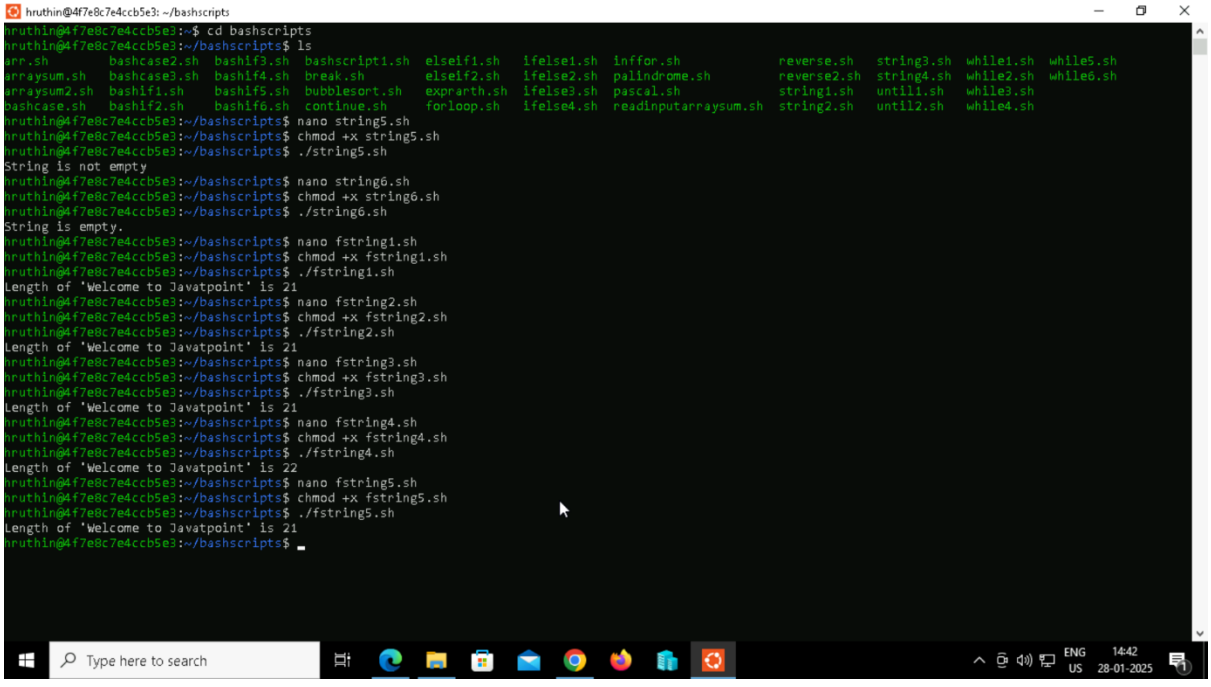


Example 5 In this example, we have used `awk` command to find the length of a string.

Code:



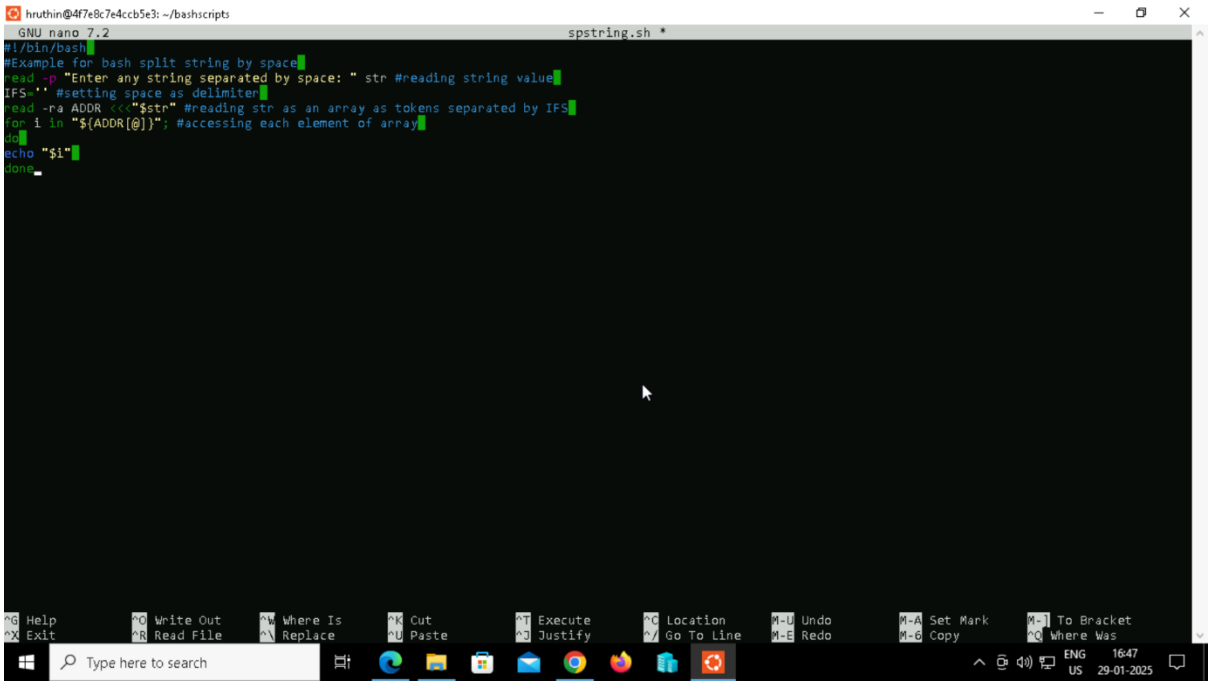
Output:



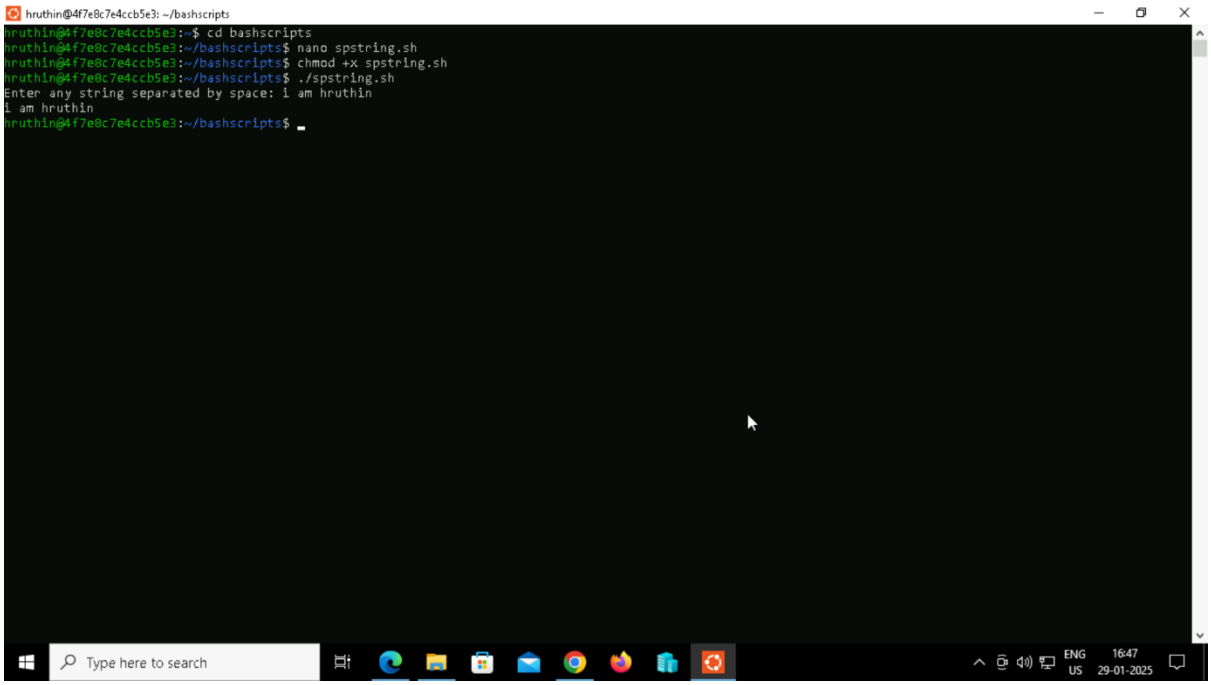
Split String:

Example 1: Bash Split String by Space

Code:

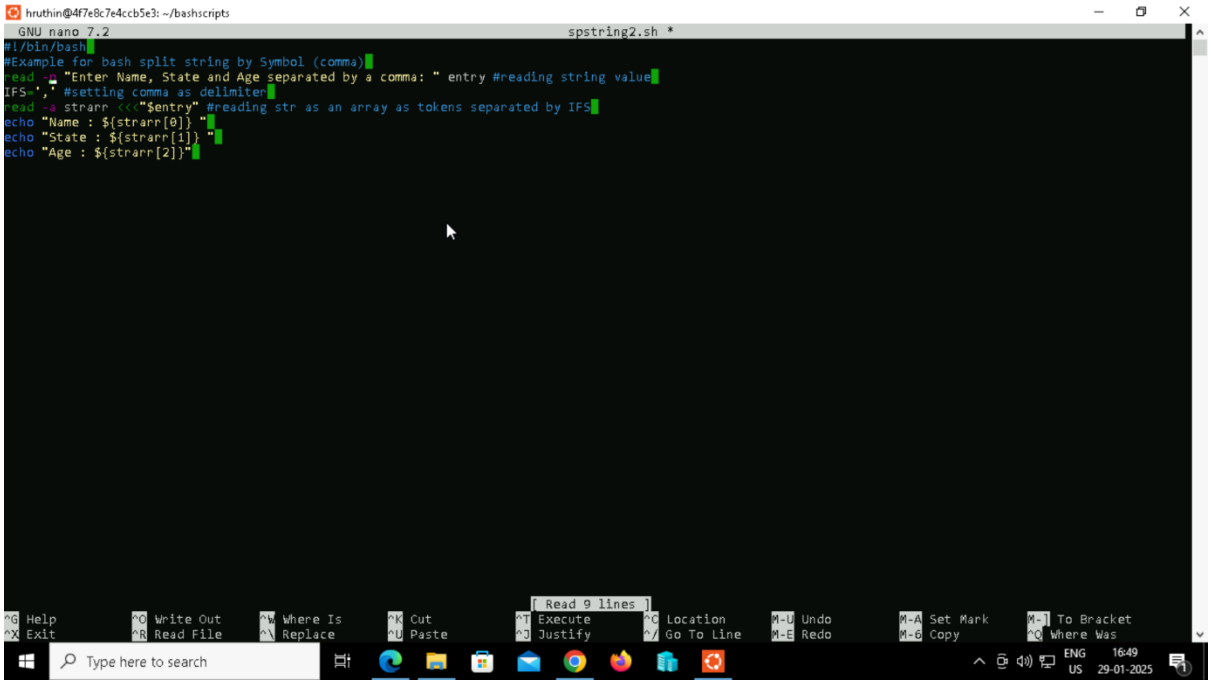


Output:

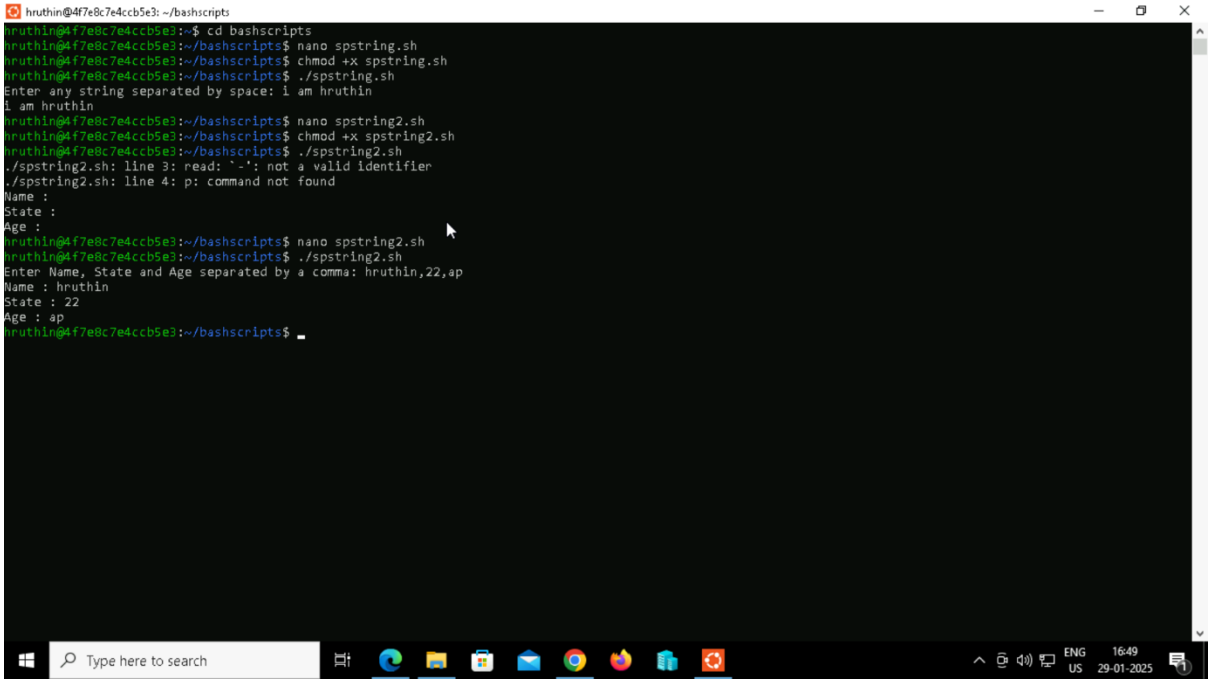


Example 2: Bash Split String by Symbol

Code:

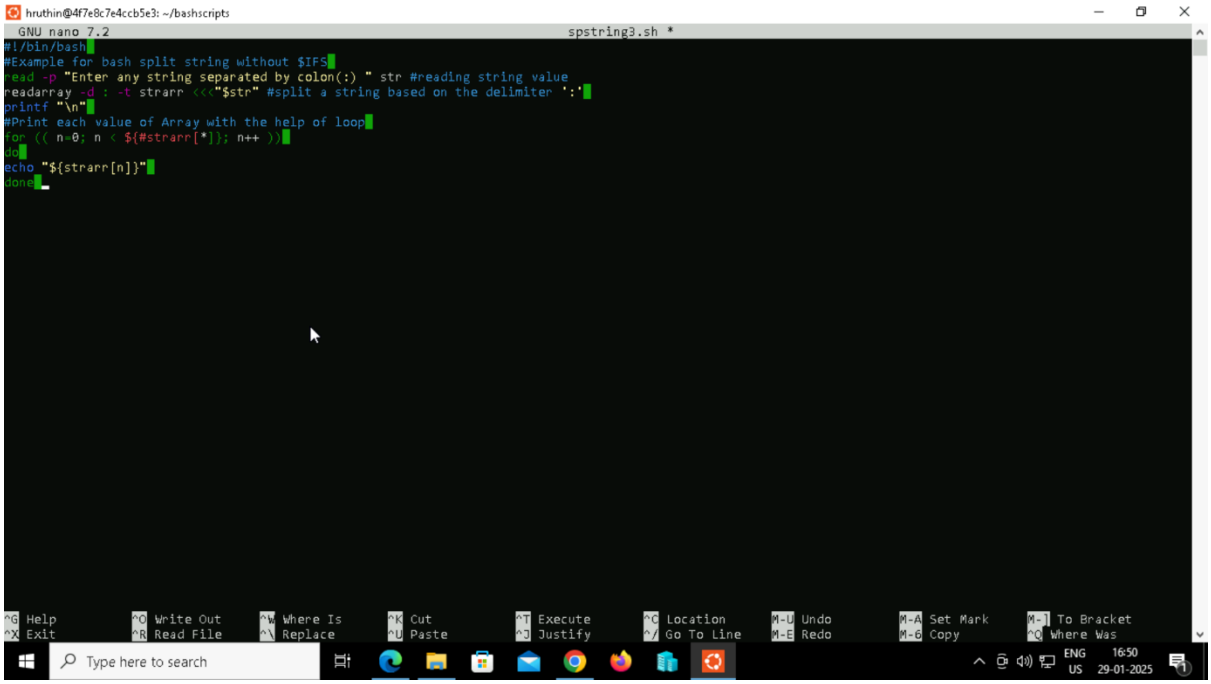


Output:

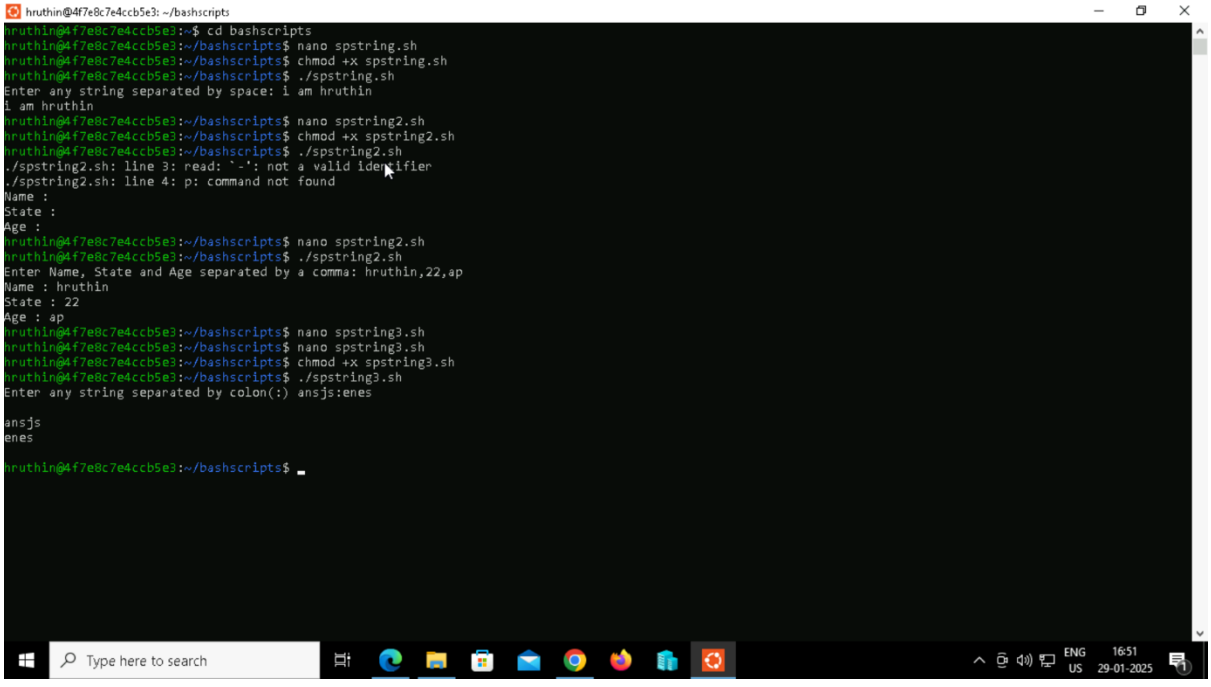


Example 3: Bash Split String by Symbol

Code:

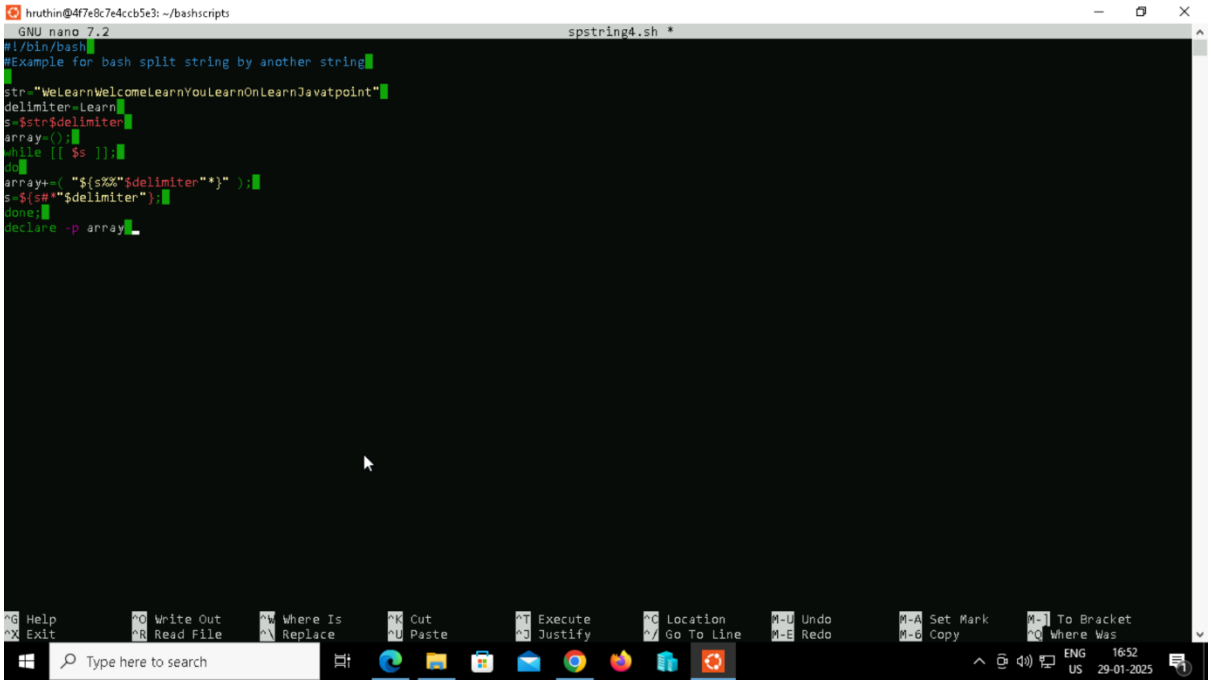


Output:

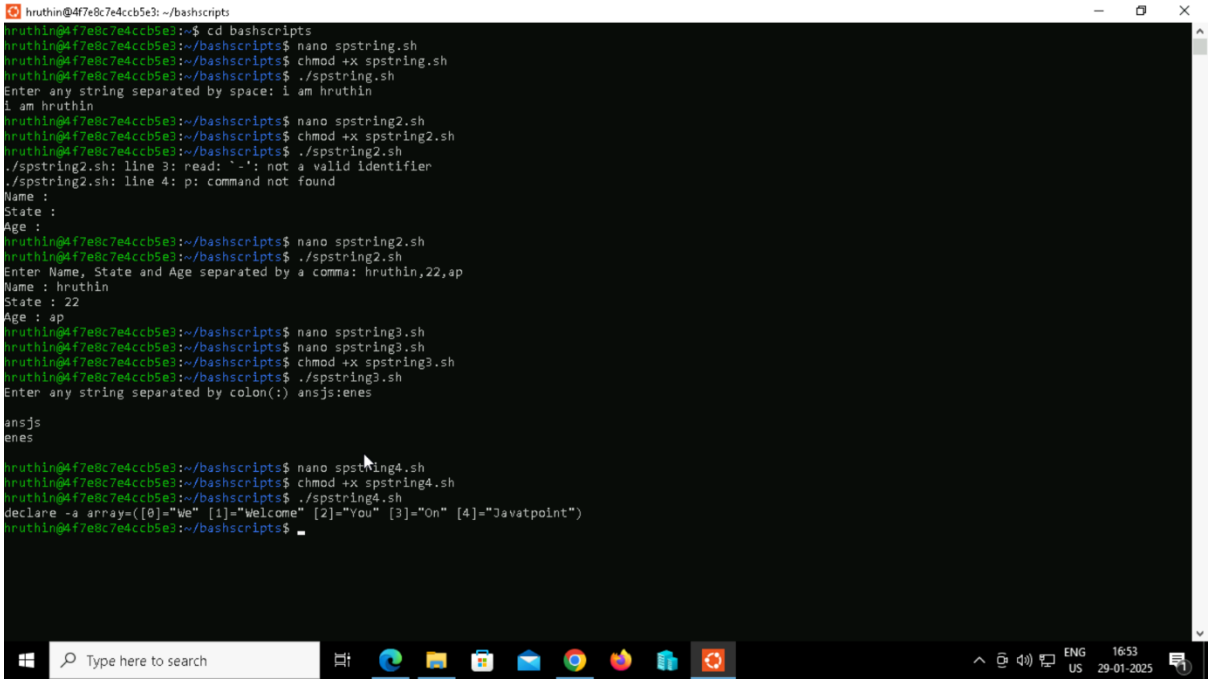


Example 4: Bash Split String by another string

Code:



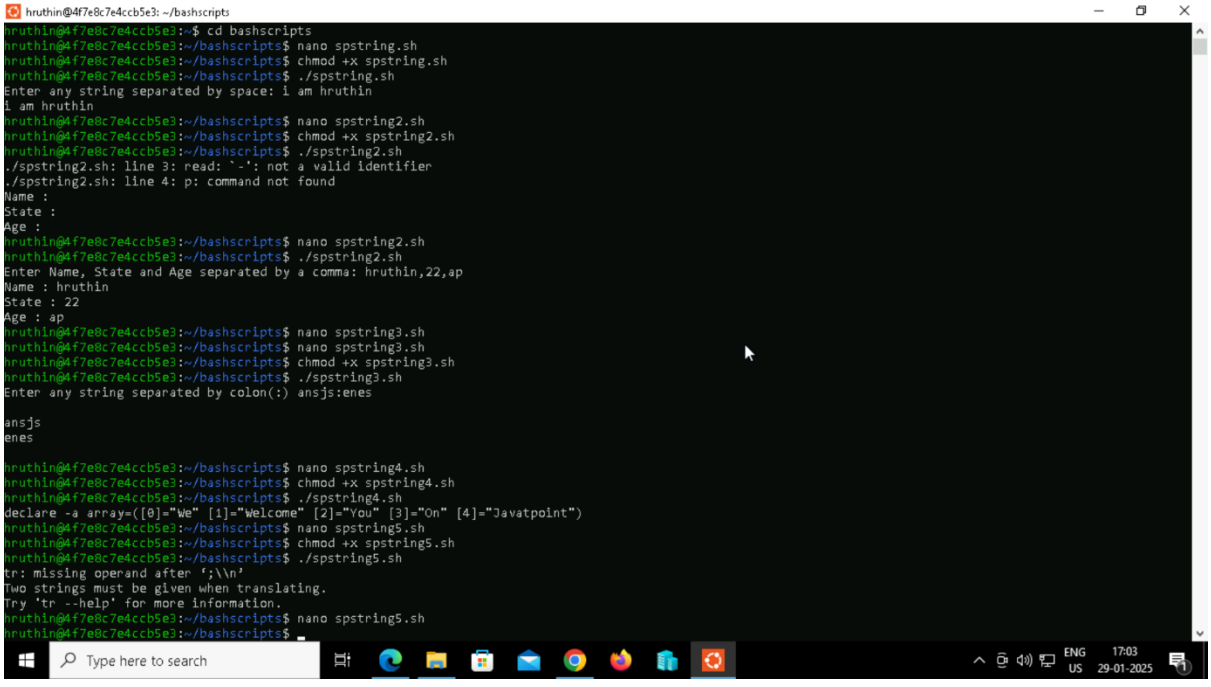
Output:



Example: 5 Bash Split String using Trim Command

Code:

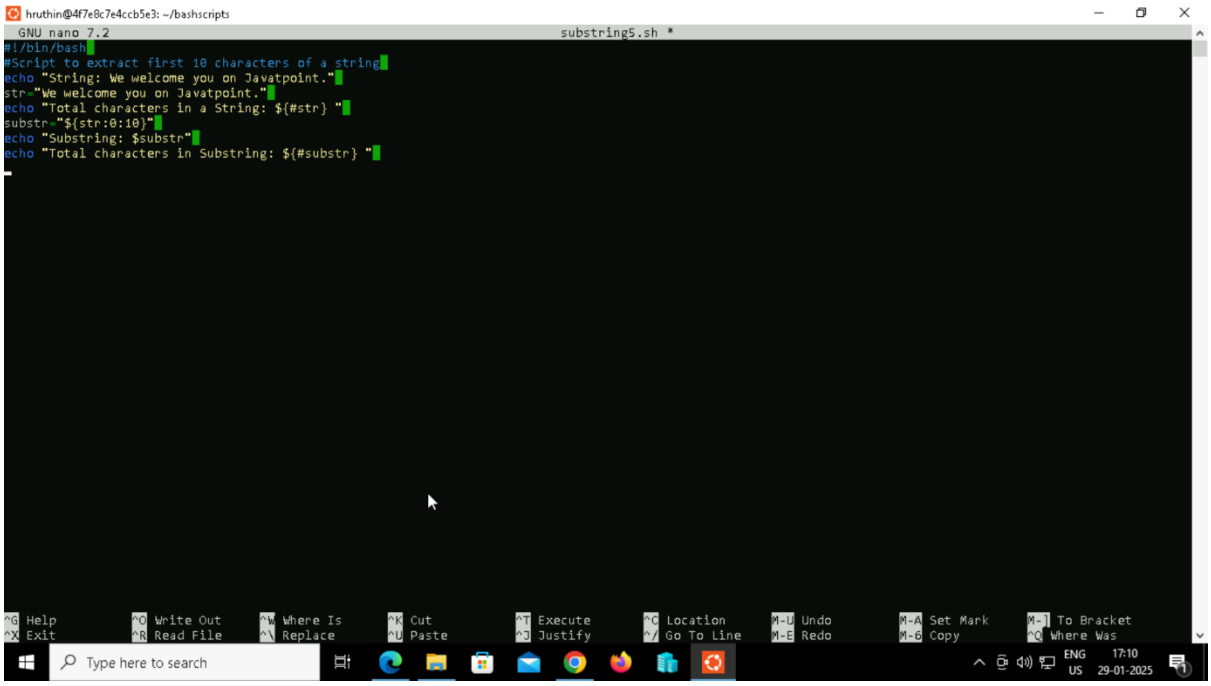
Output:



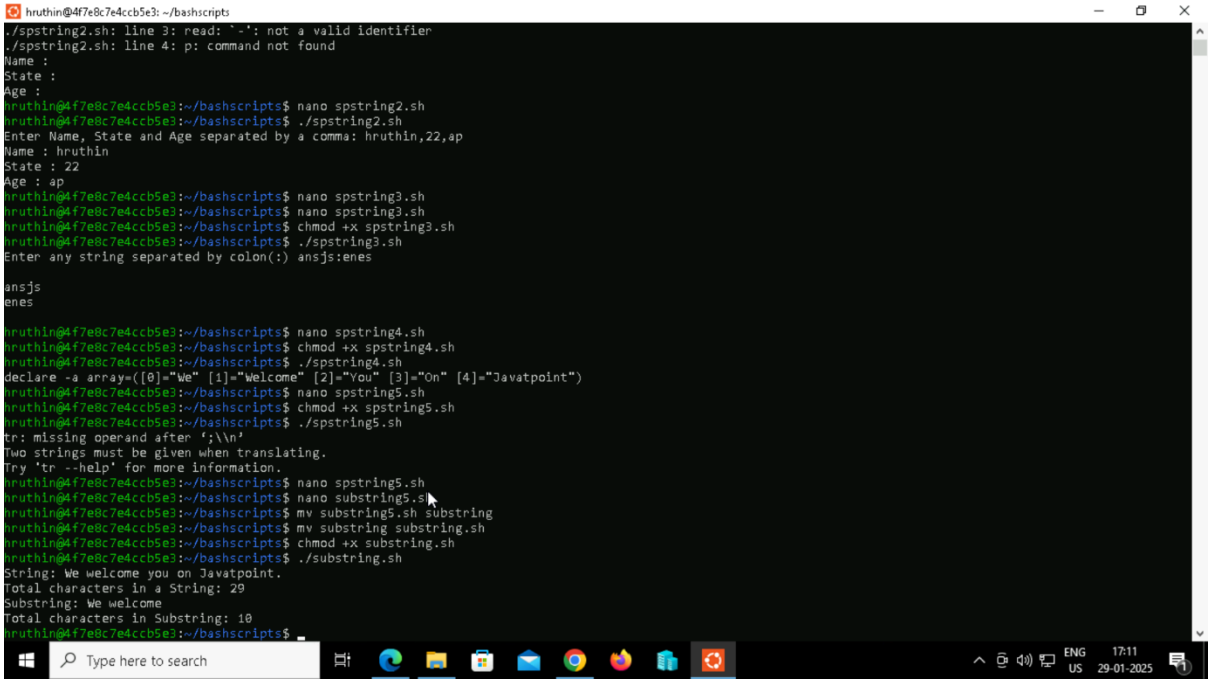
Bash Sub String:

Example 1: To Extract till Specific Characters from Starting

Code:

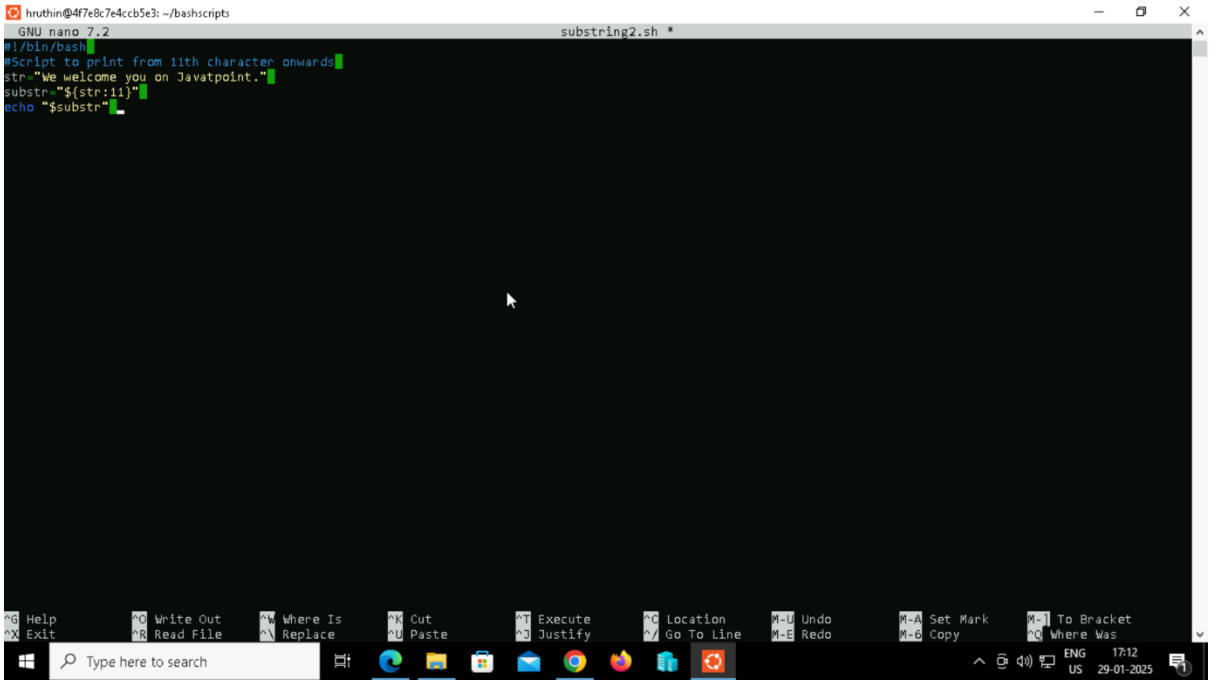


Output:

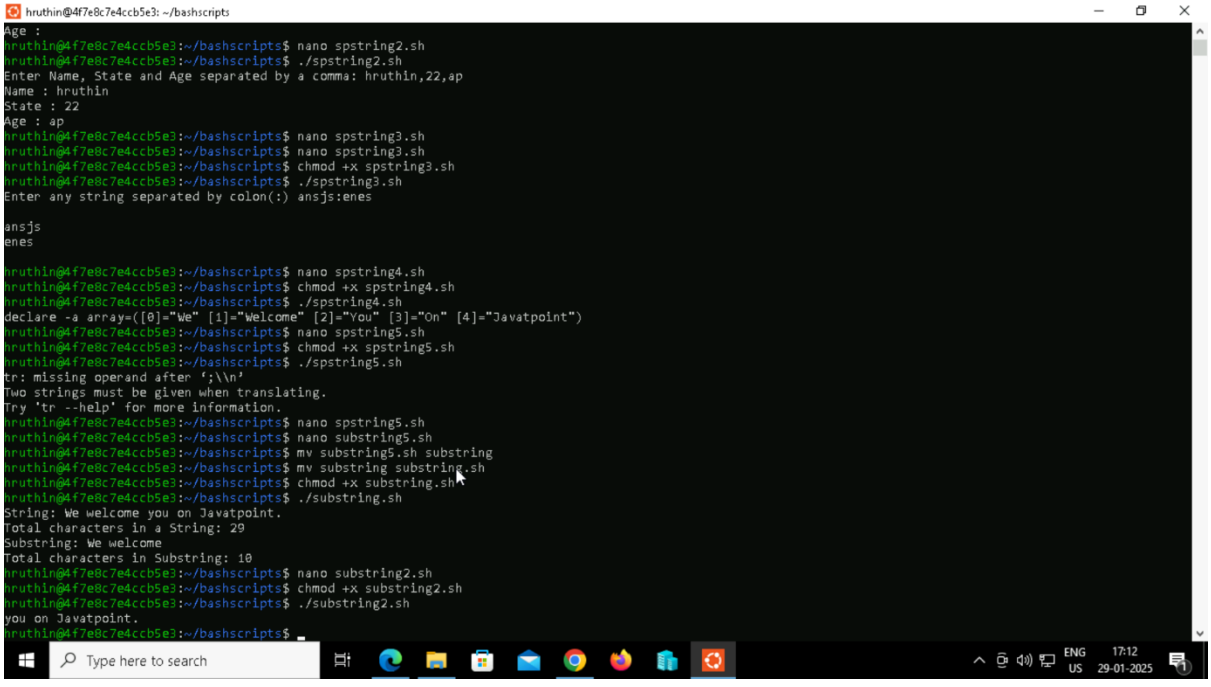


Example 2: To Extract from Specific Character onwards

Code:

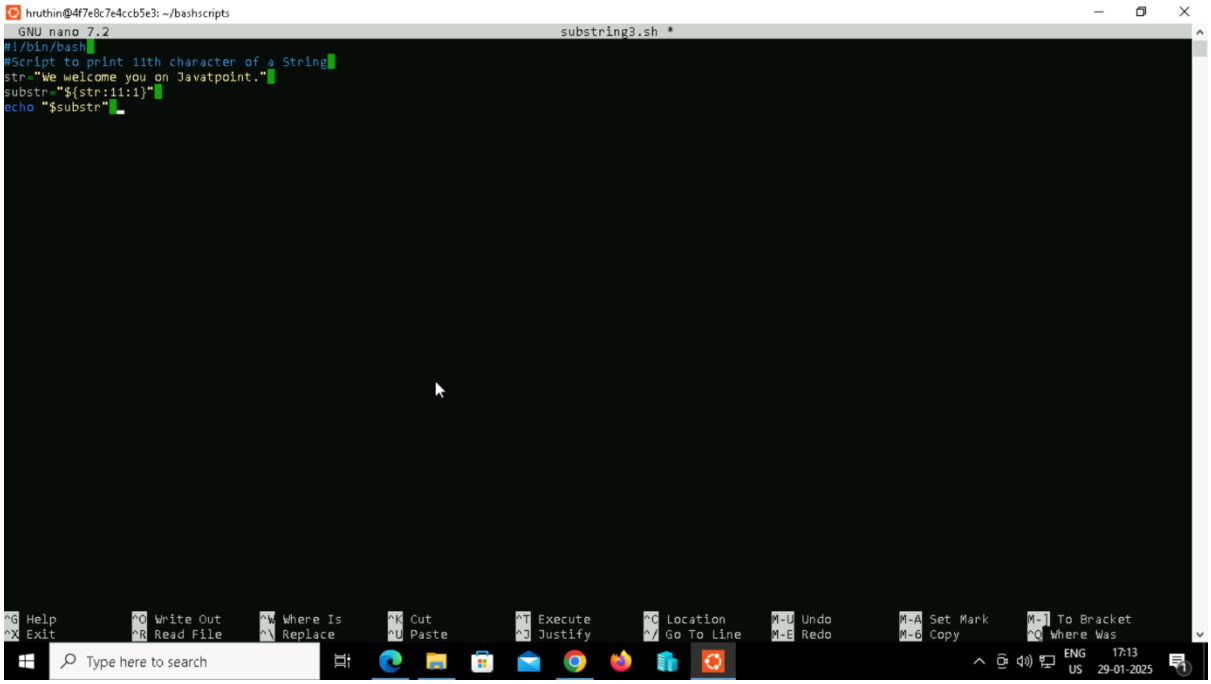


Output:

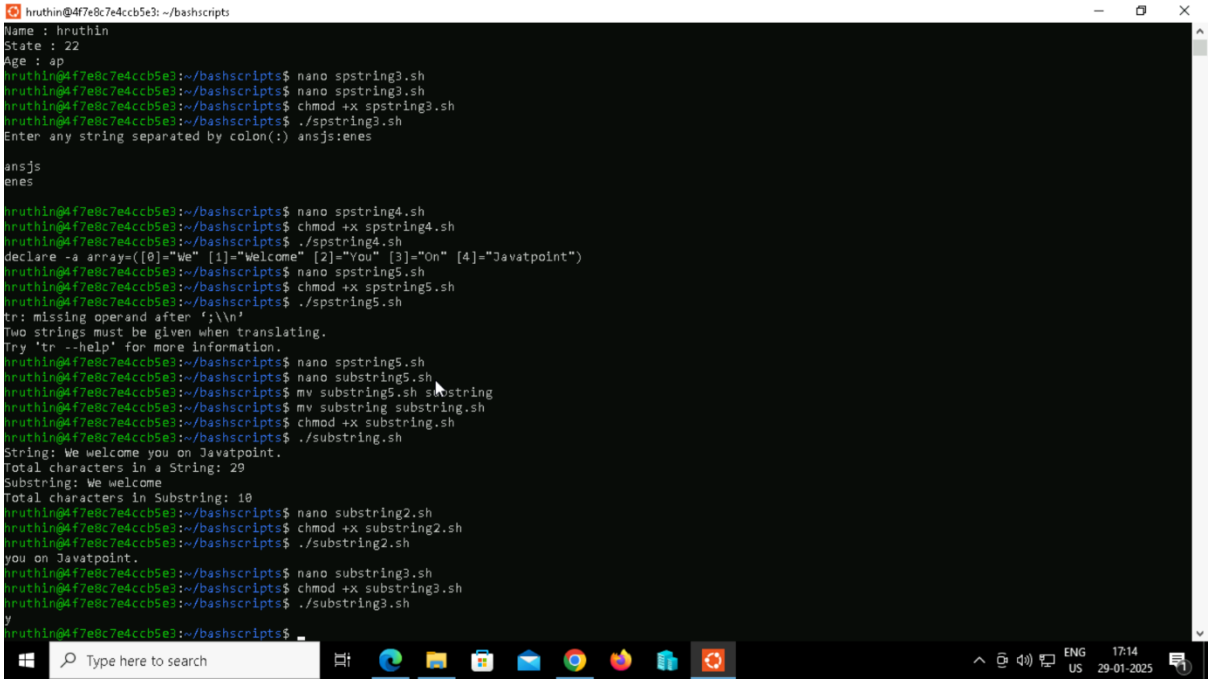


Example 3: To Extract a Single Character

Code:

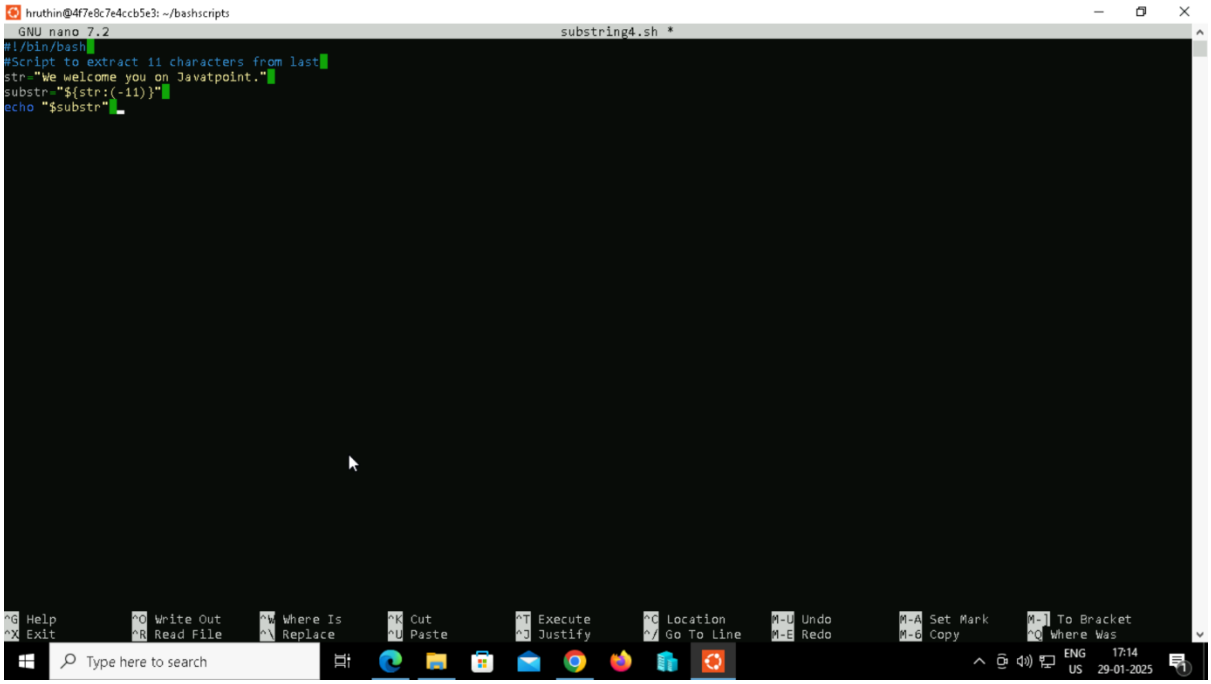


Output:

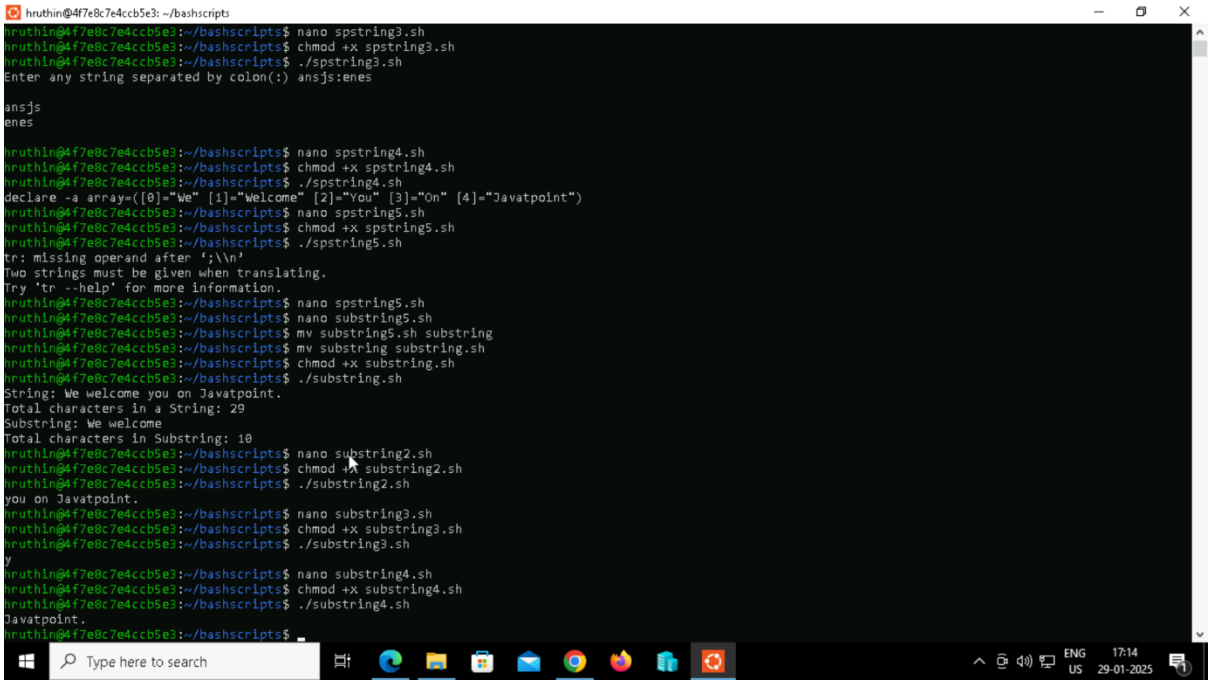


Example 4: To Extract the specific characters from last

Code:



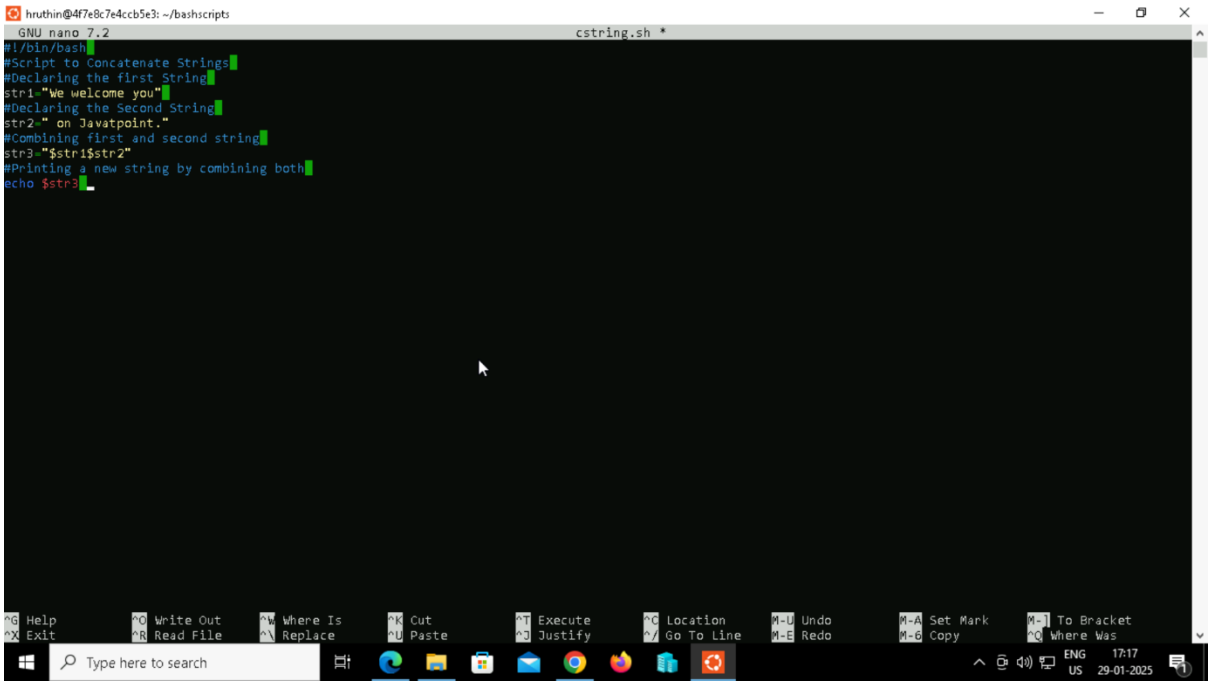
Output:



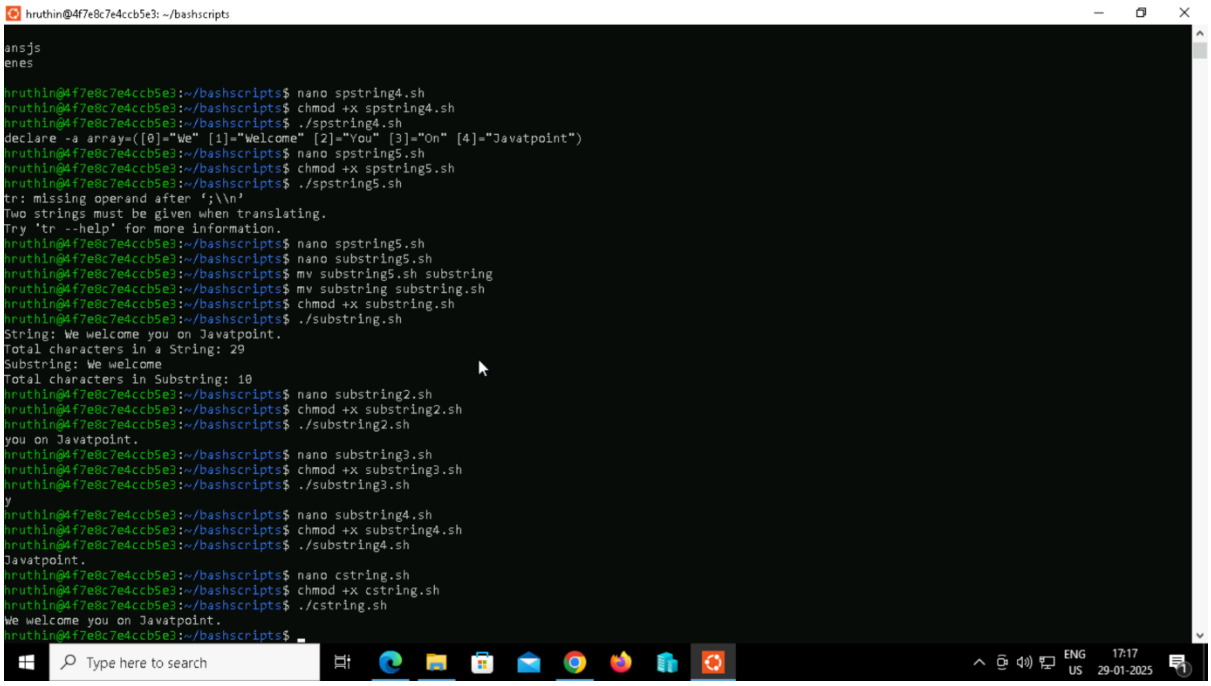
Concatenating a String:

Example 1: Write Variables Side by Side

Code:

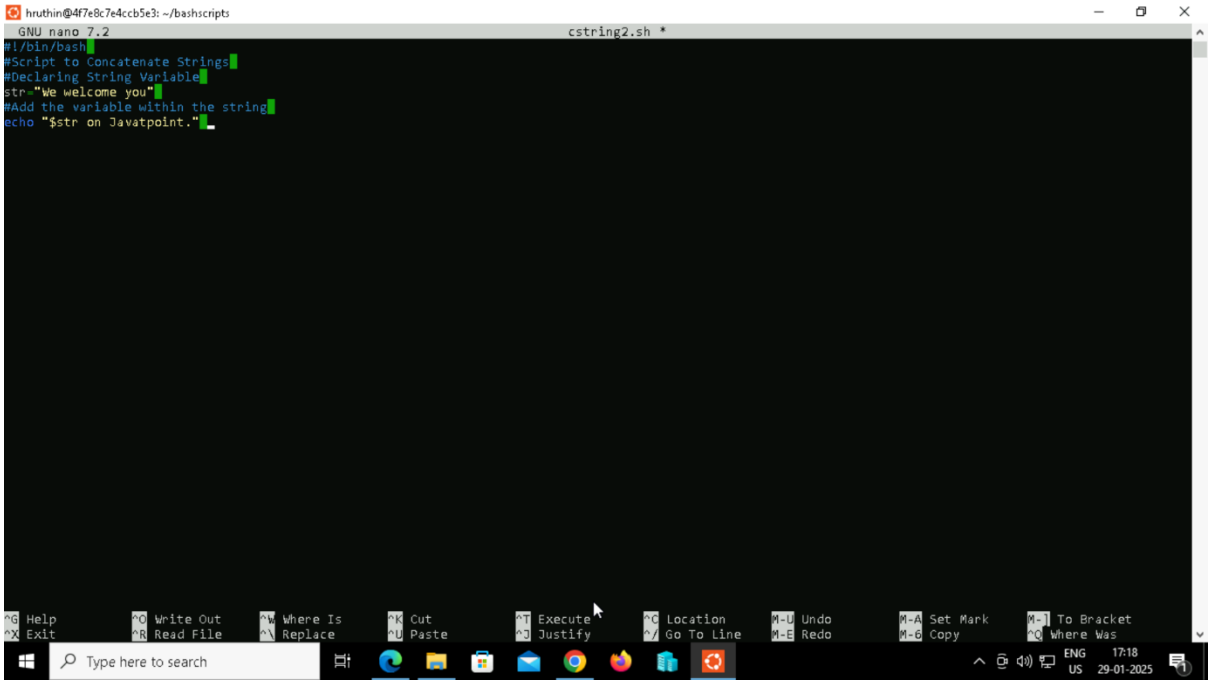


Output:

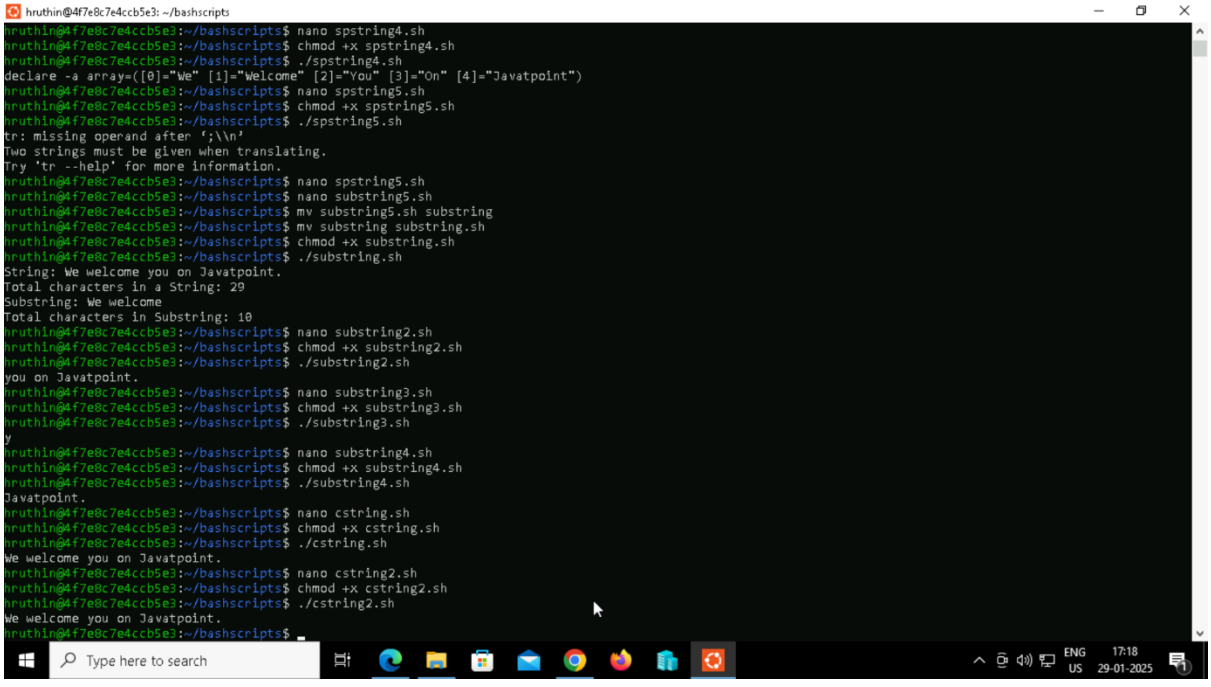


Example 2: Using Double Quotes

Code:

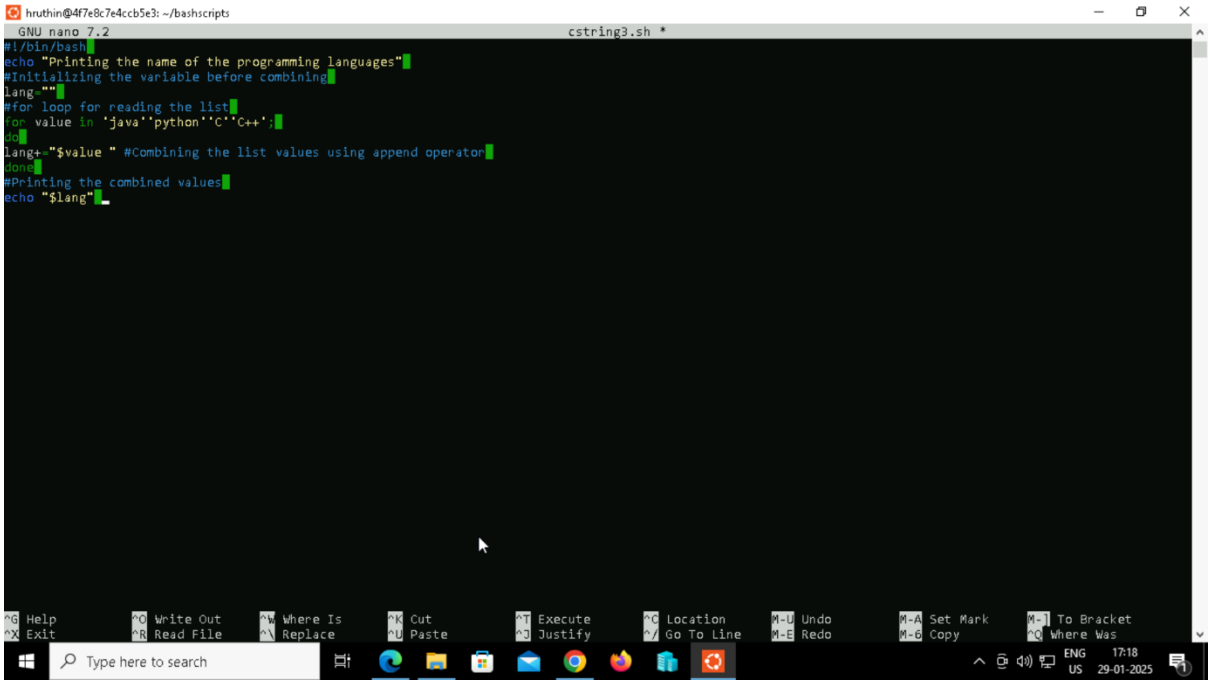


Output:

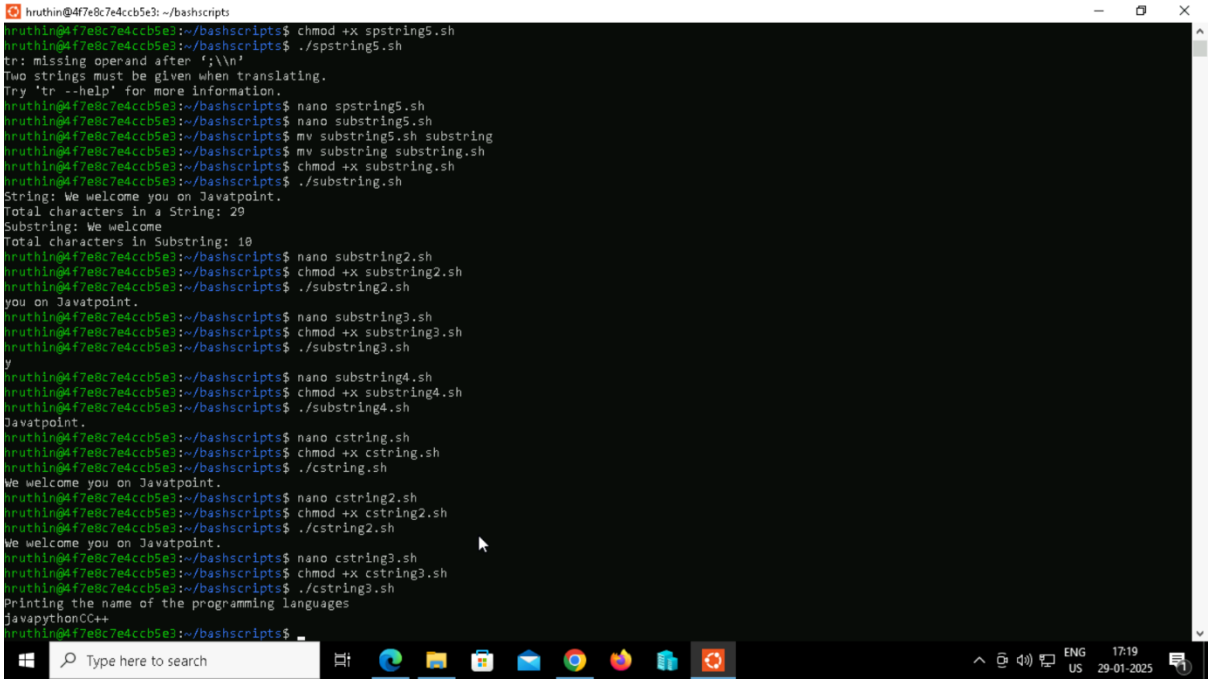


Example 3: Using Append Operator with Loop

Code:

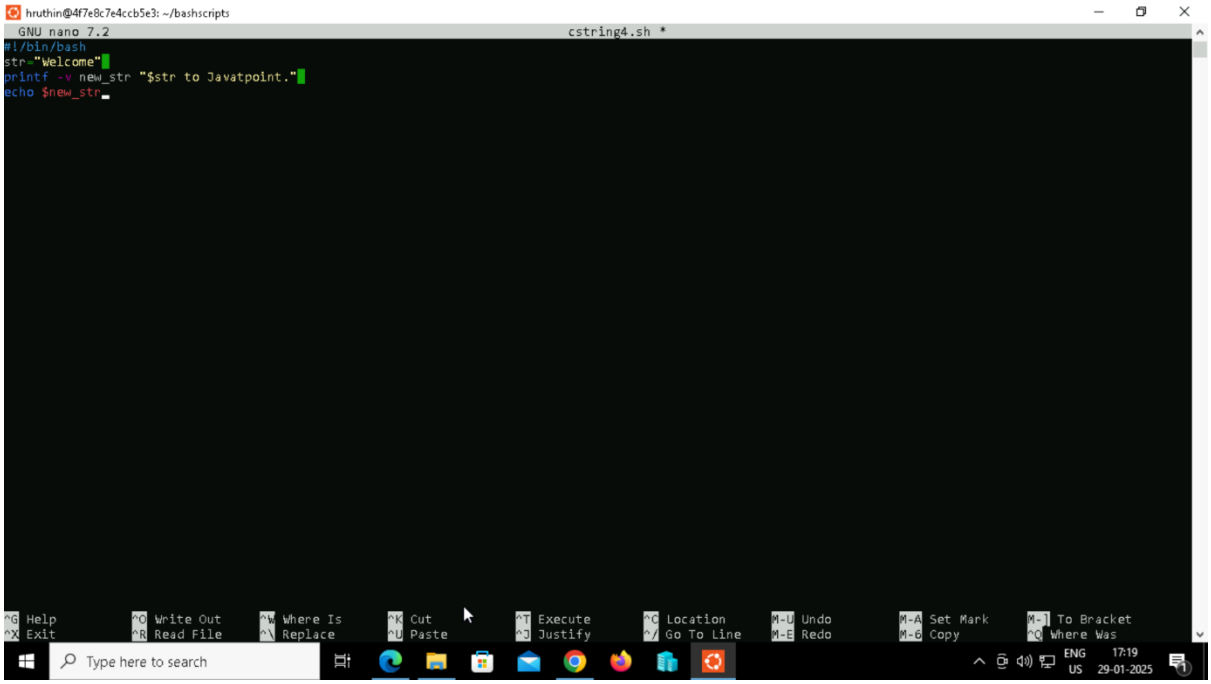


Output:

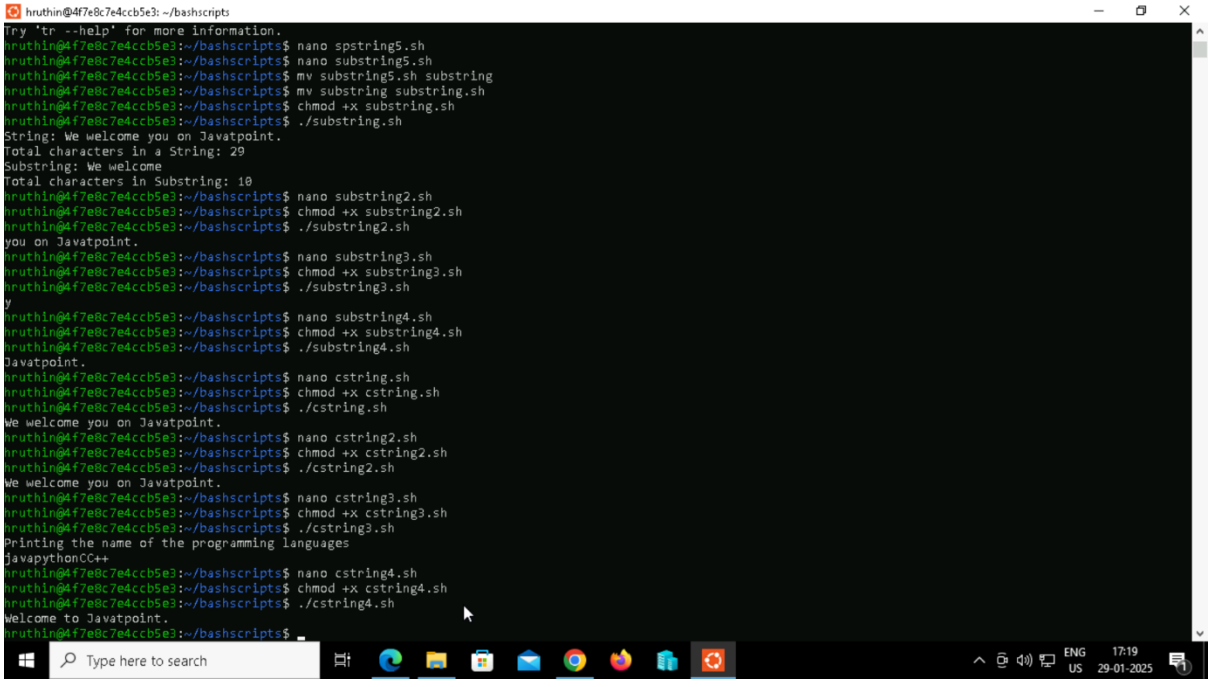


Example 4: Using the Printf Function

Code:

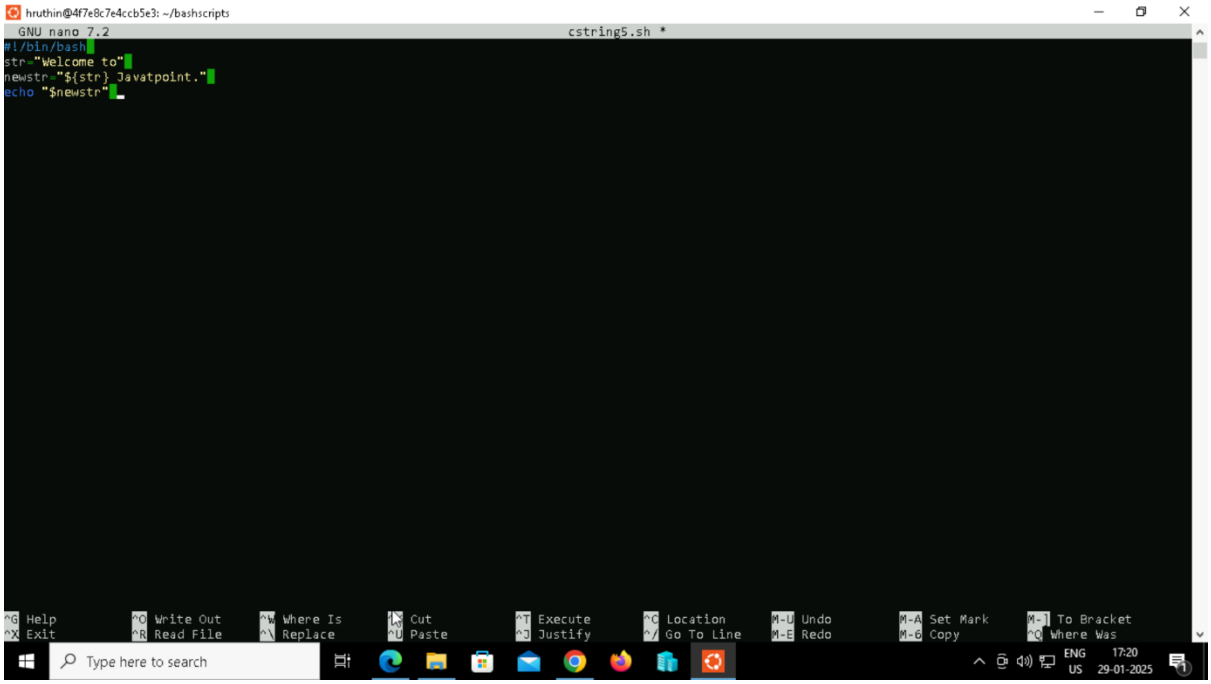


Output:

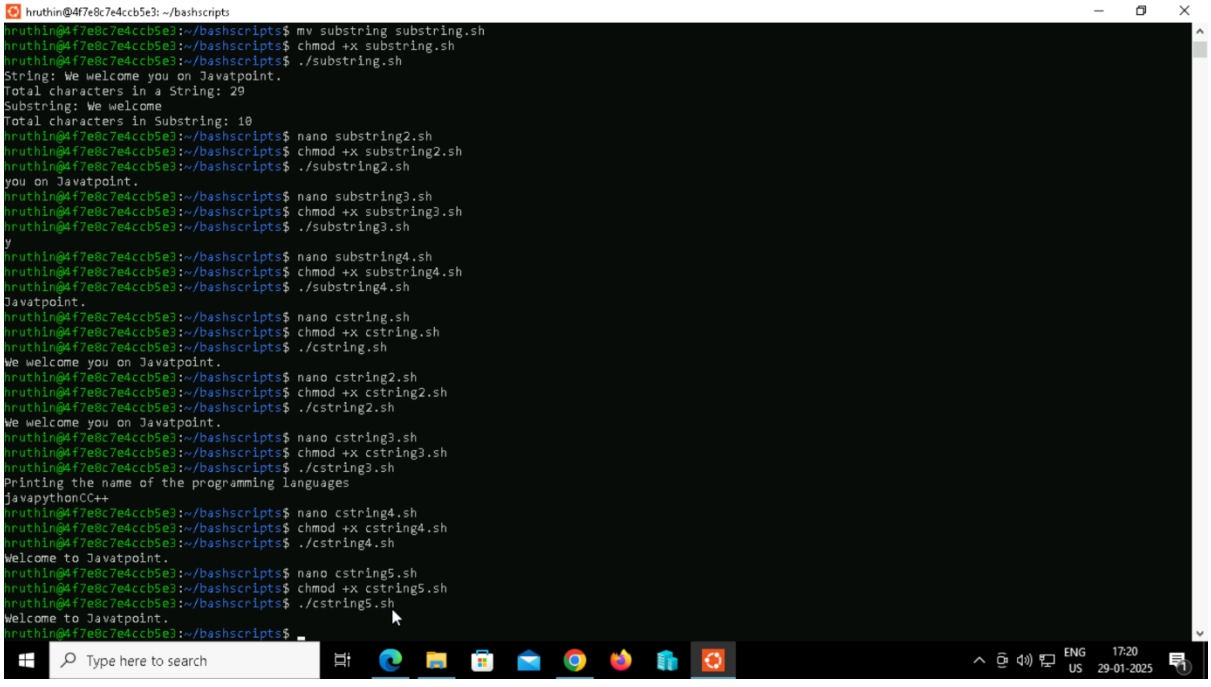


Example 5: Using Literal Strings

Code:

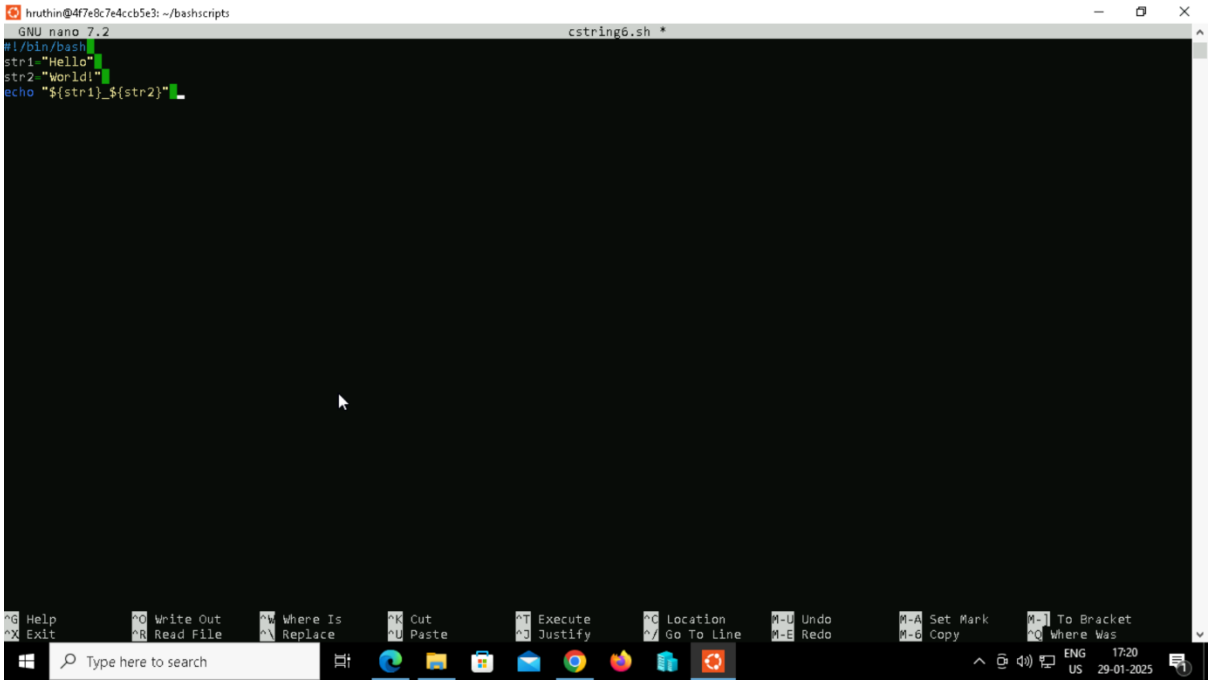


Output:

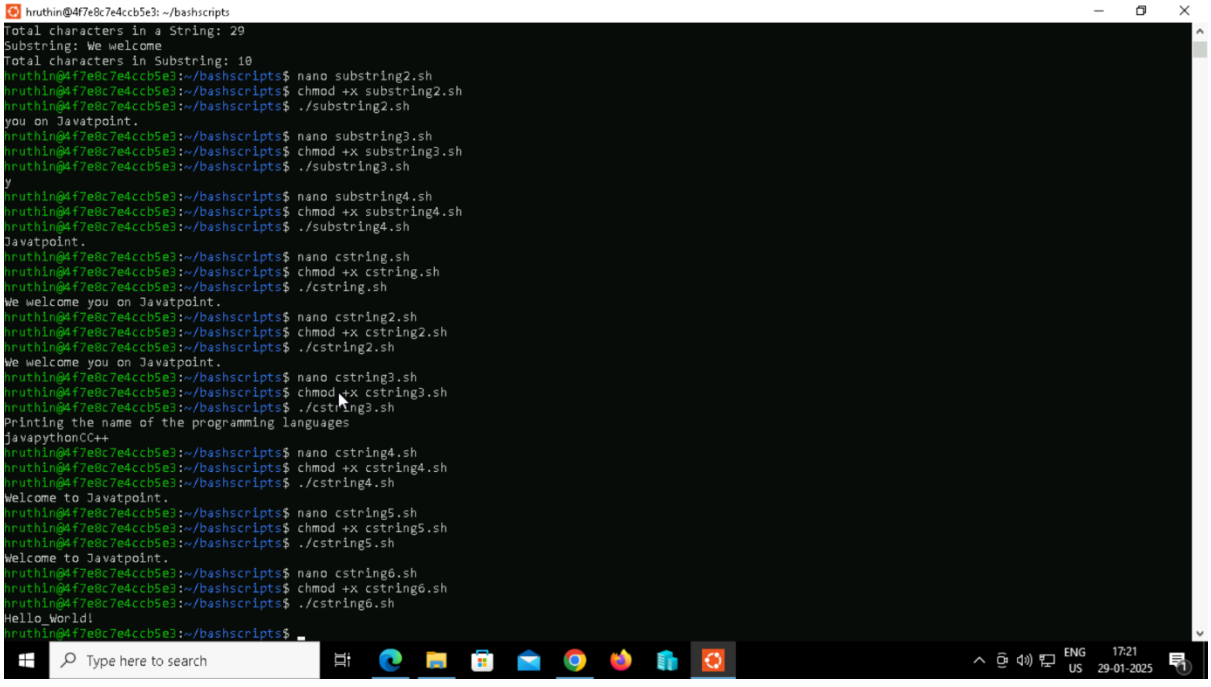


Example 6: Using Underscore

Code:

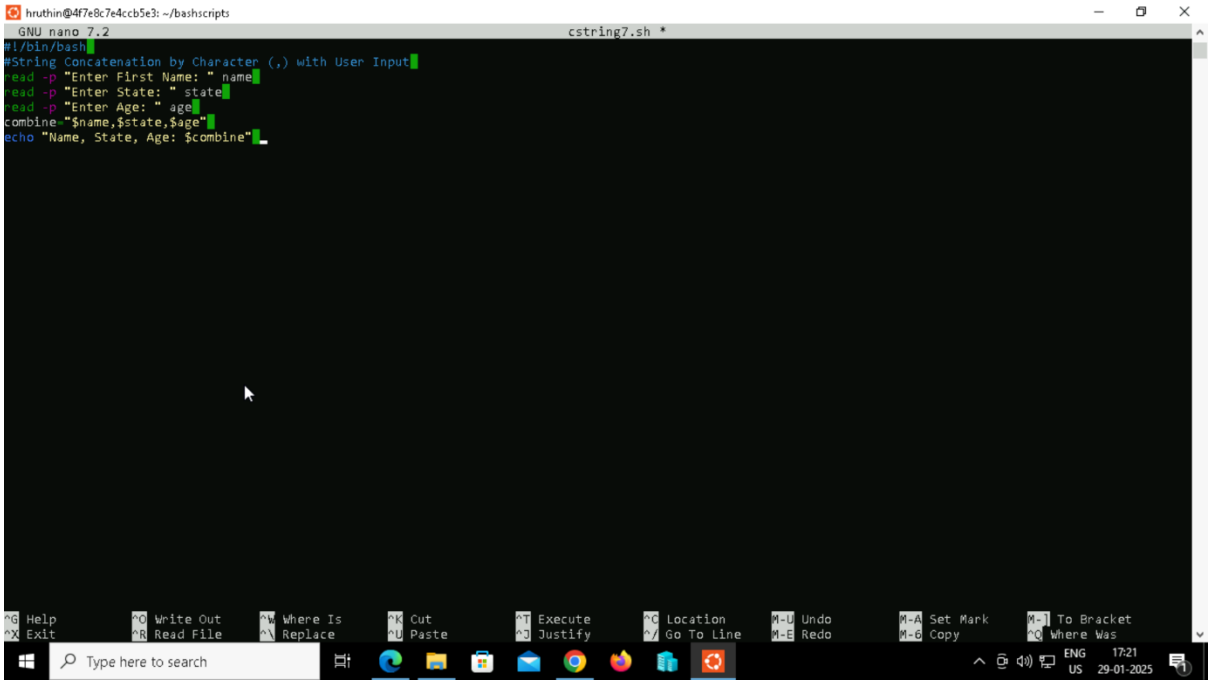


Output:

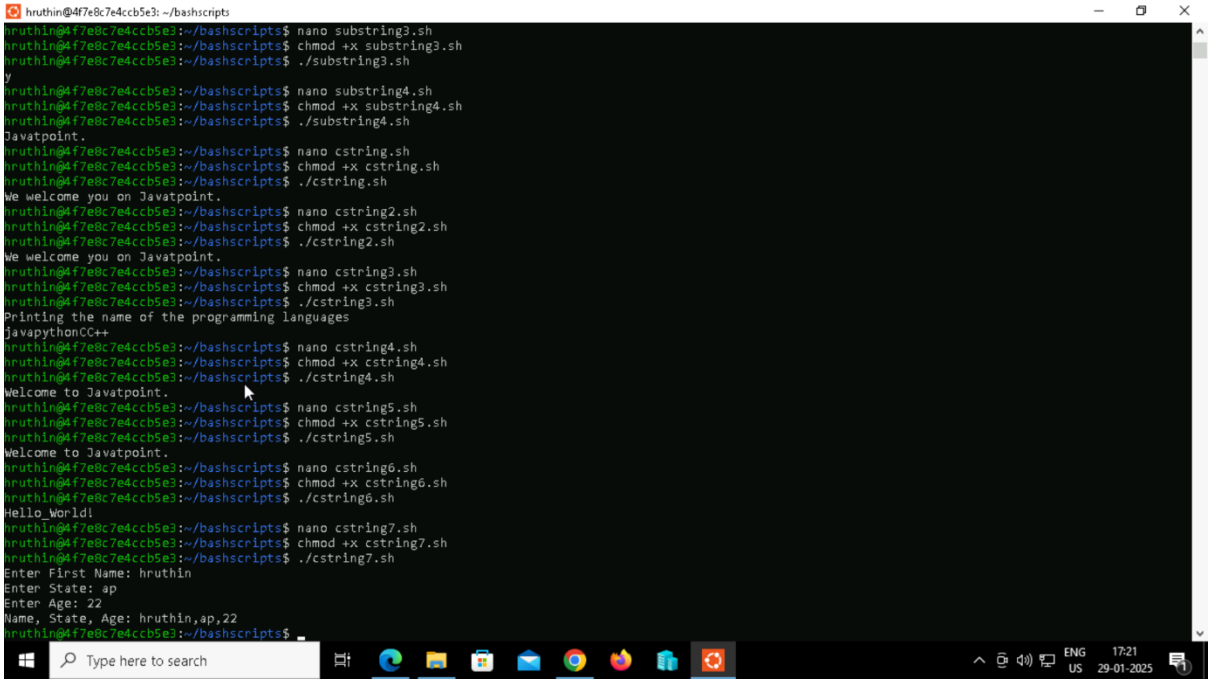


Example 7: Using any Character

Code:

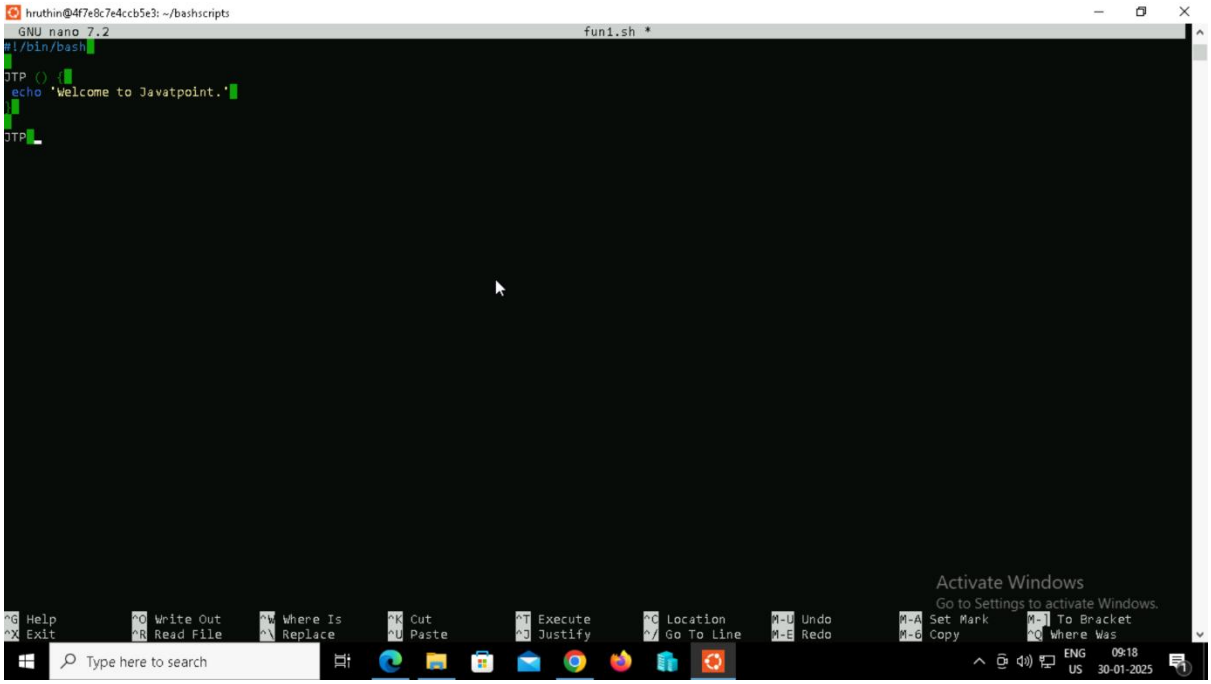


Output:

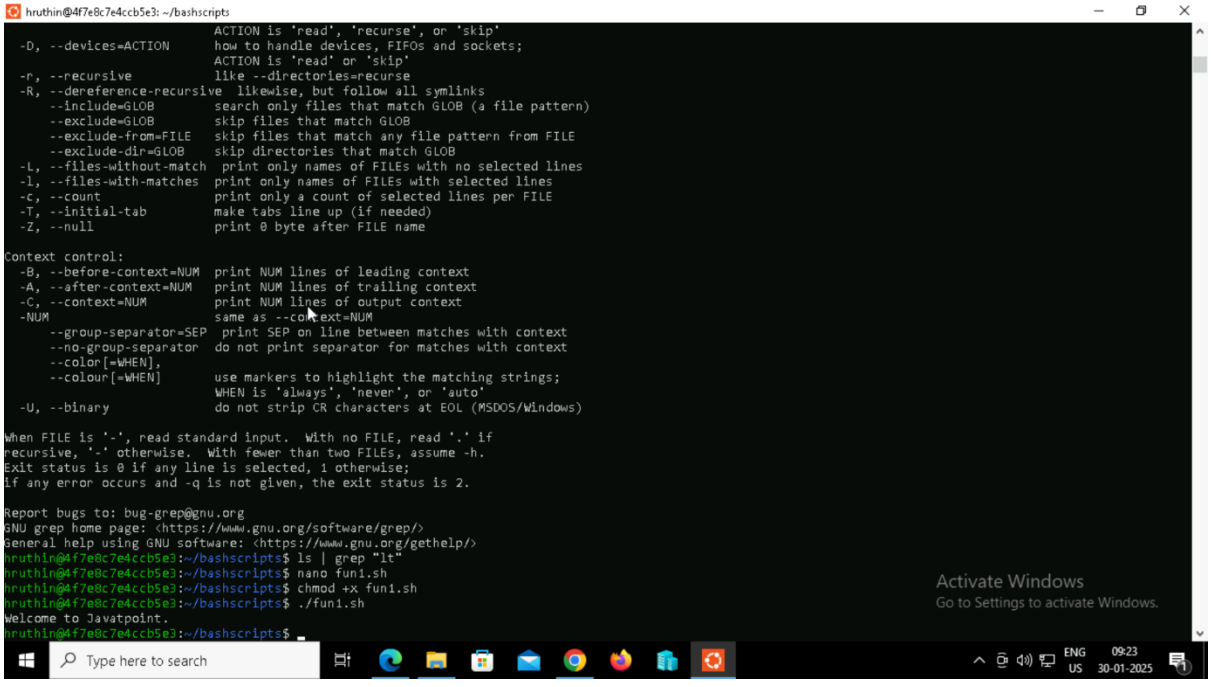


Example: Method 1

Code:

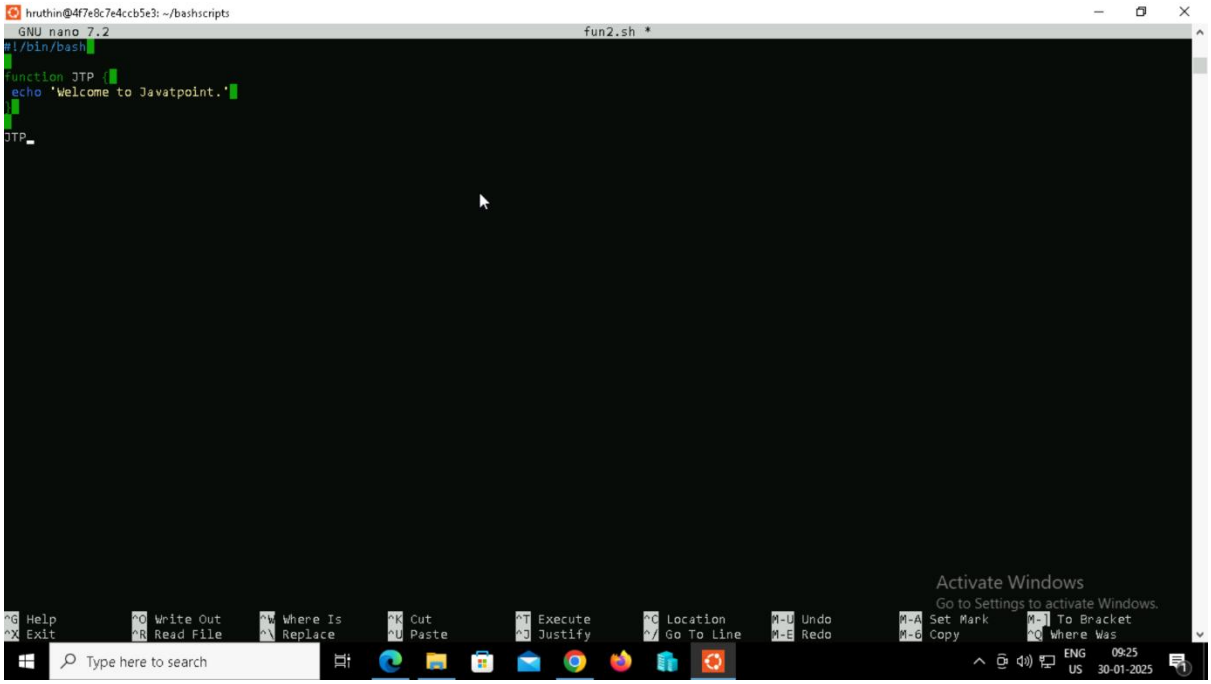


Output:

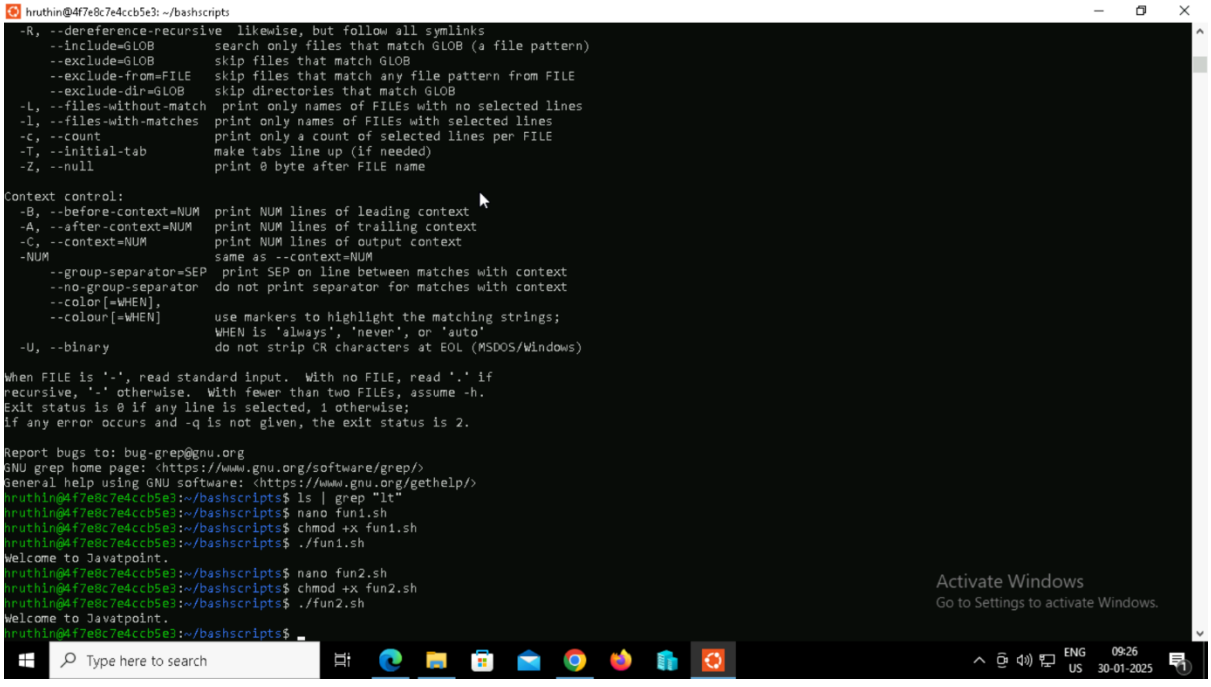


Example: Method 2

Code:

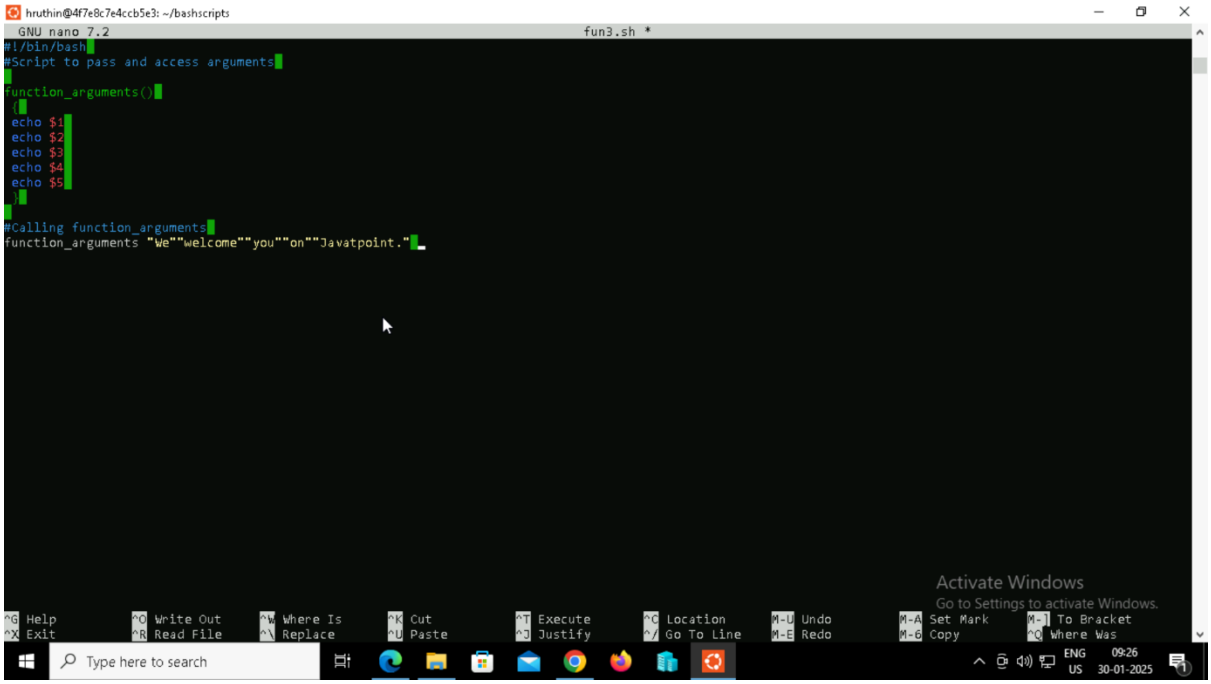


Output:

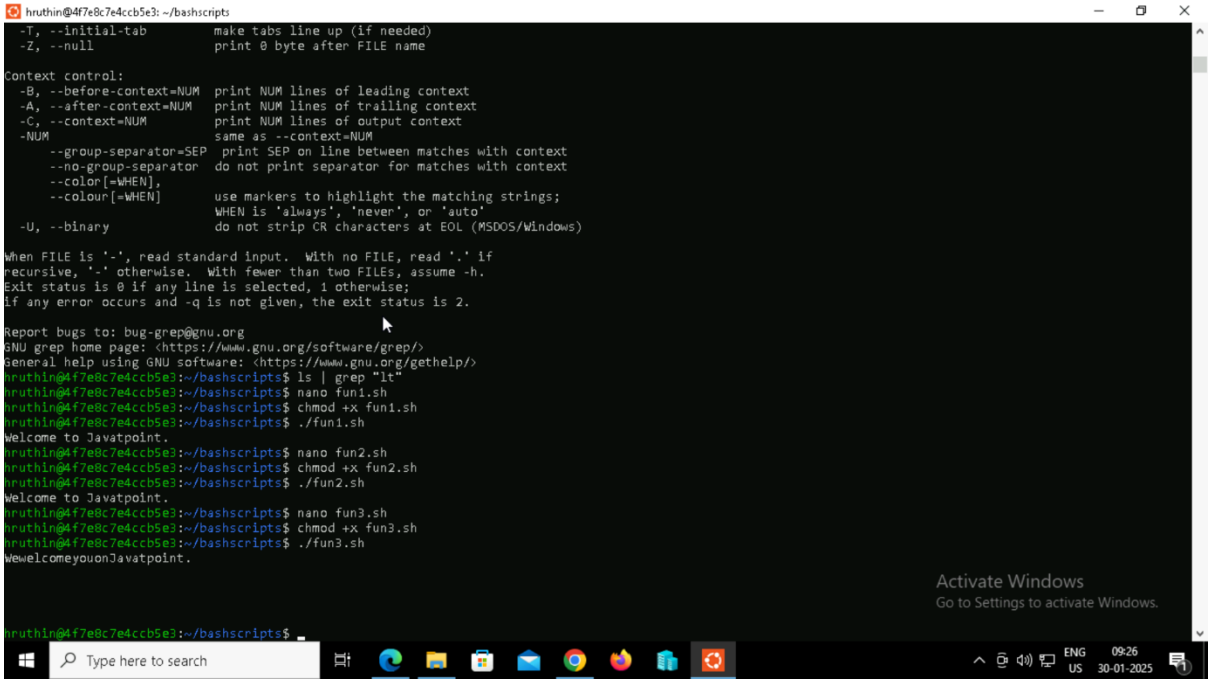


Example 3: passing arguments

Code:

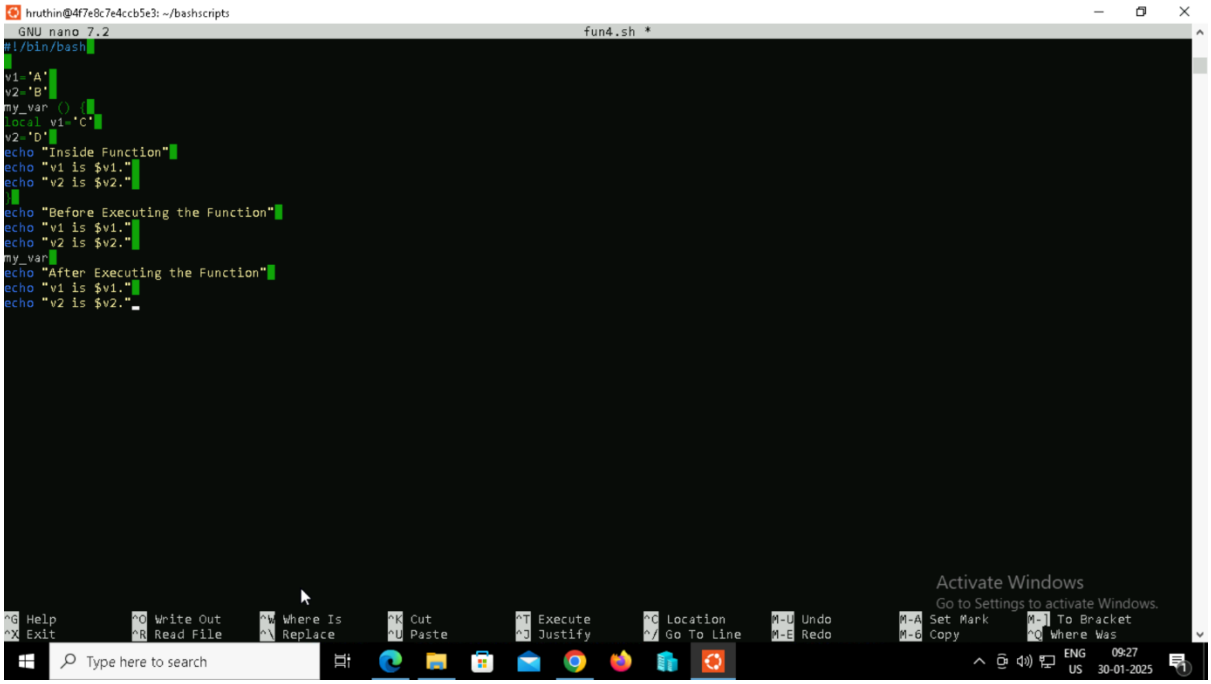


Output:

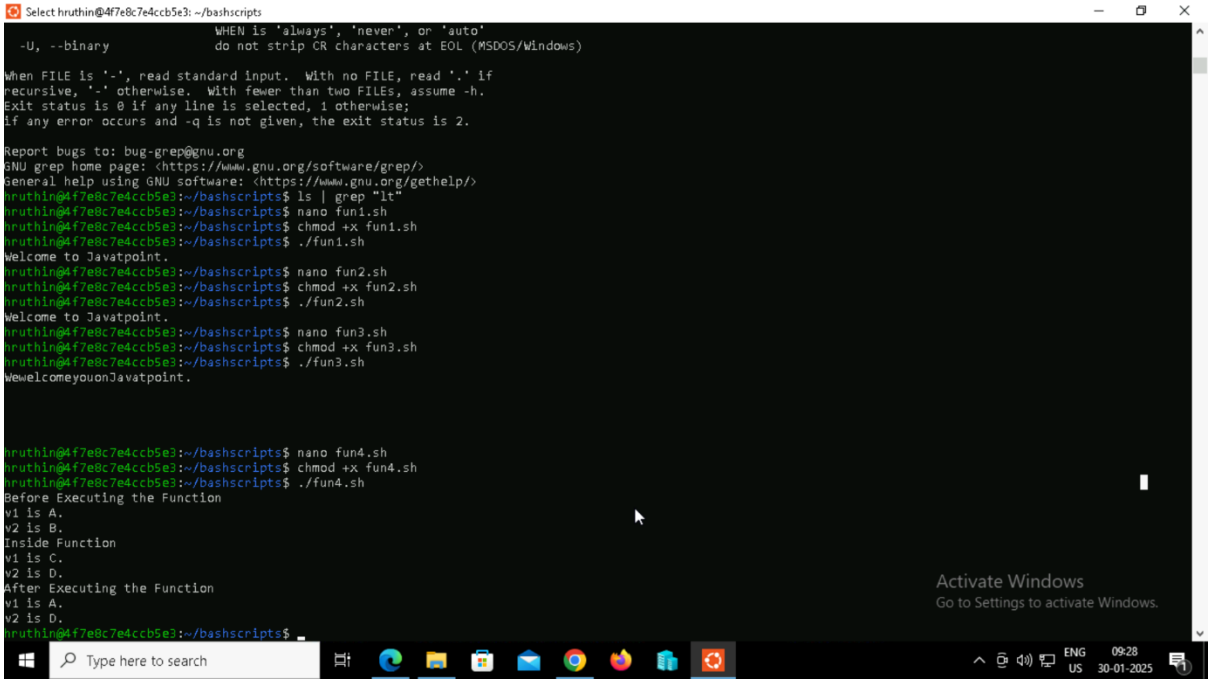


Example 4: Variable Scope

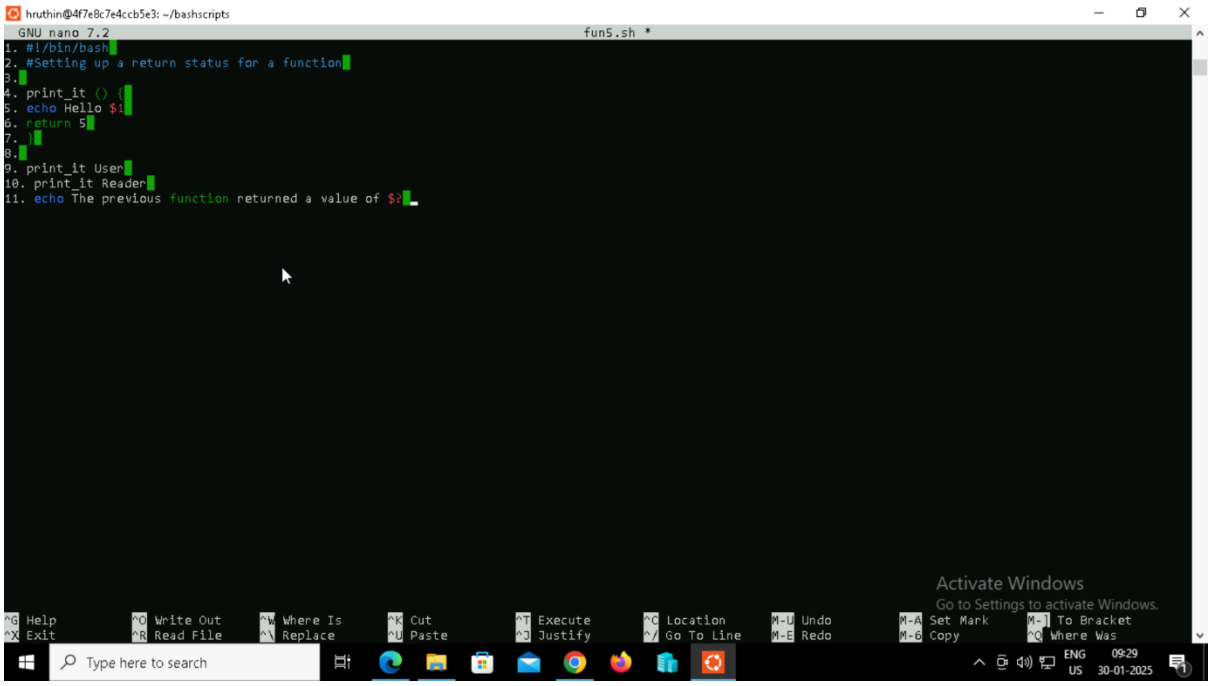
Code:



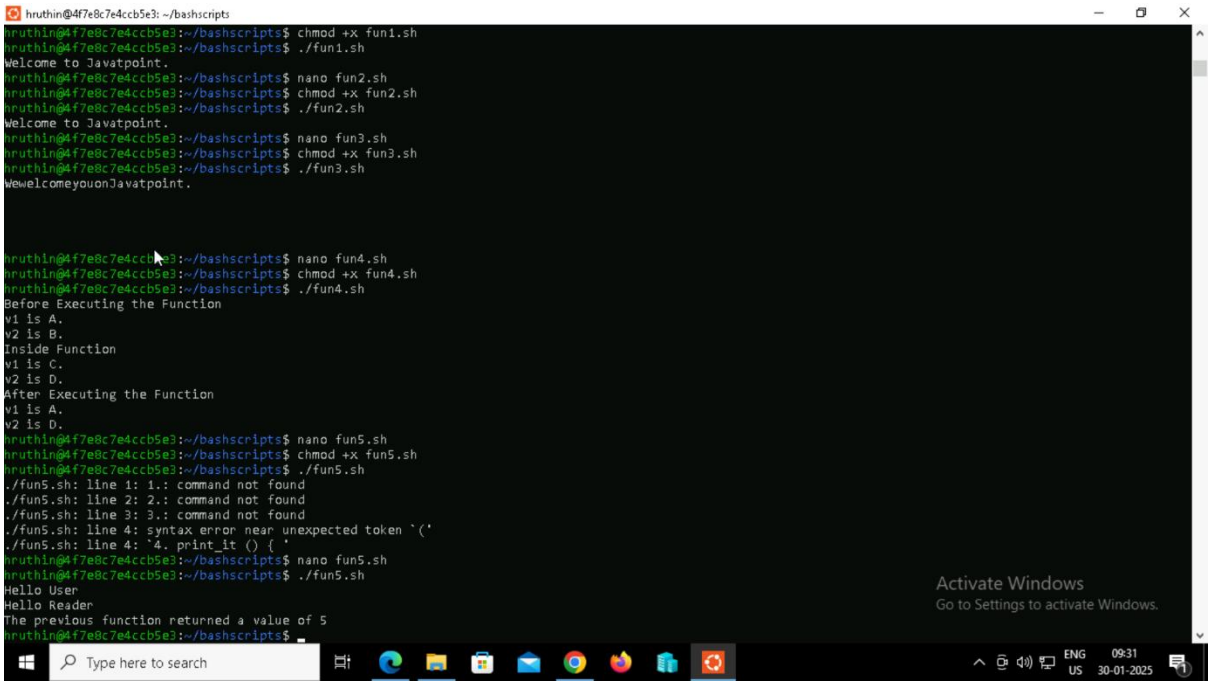
Output:



Example 5: Return Values

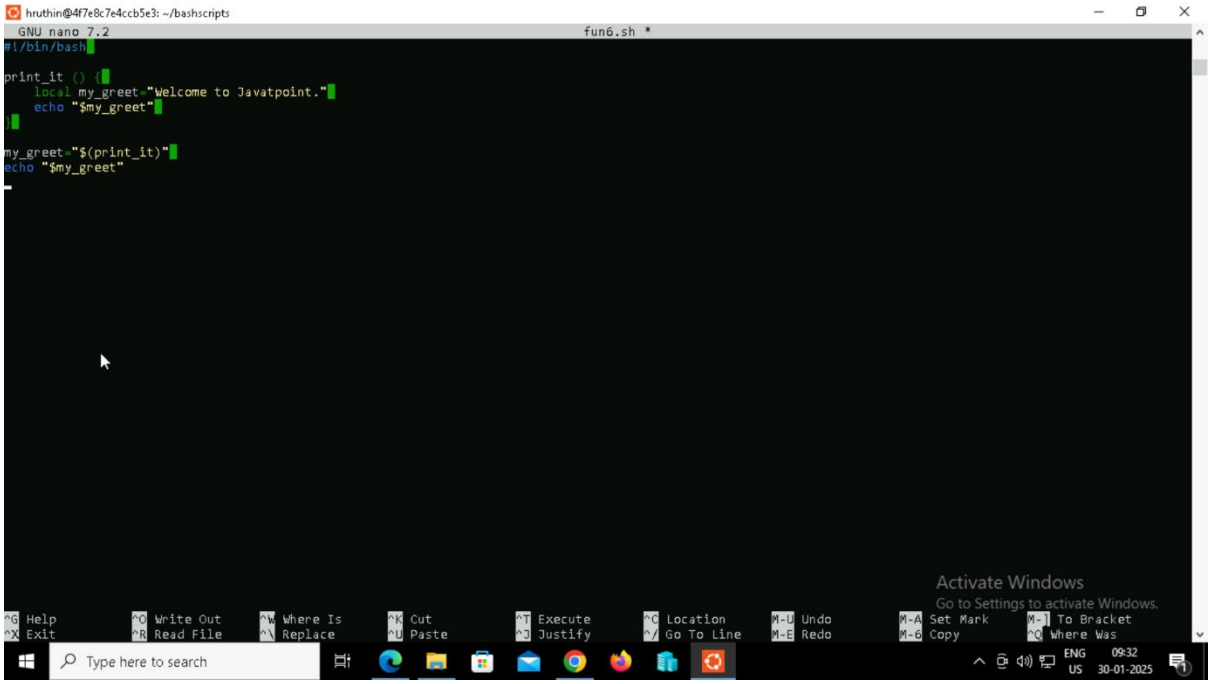


Output:

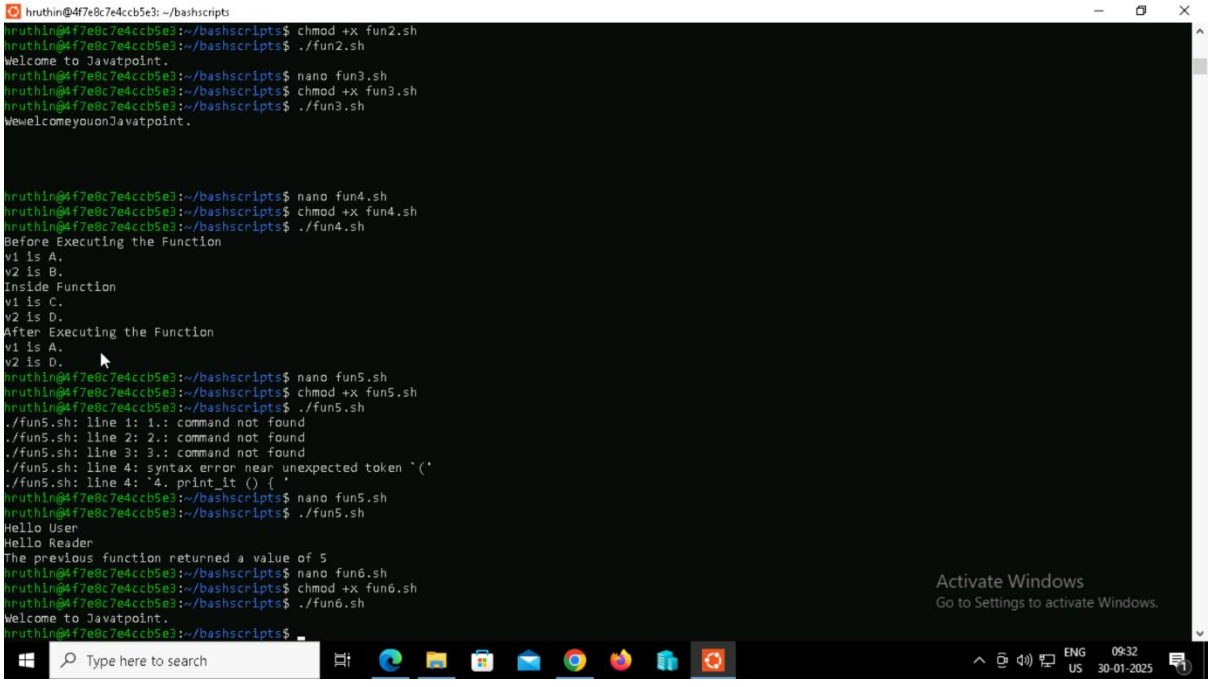


Example 6:

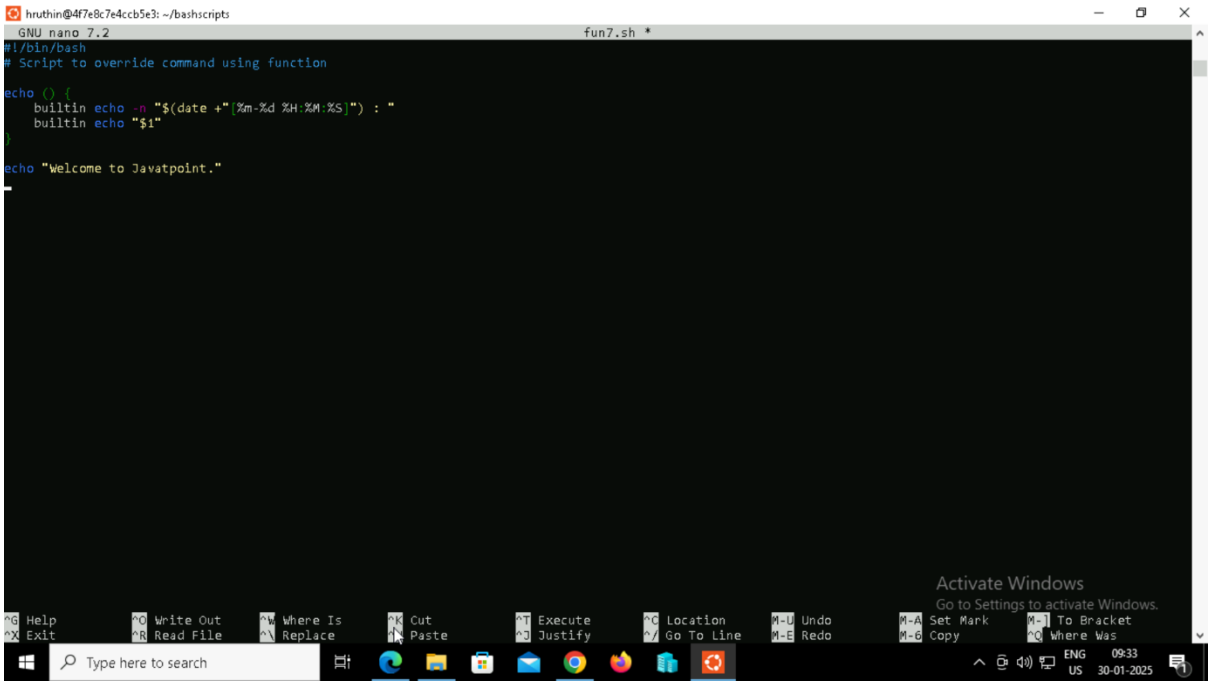
Code:



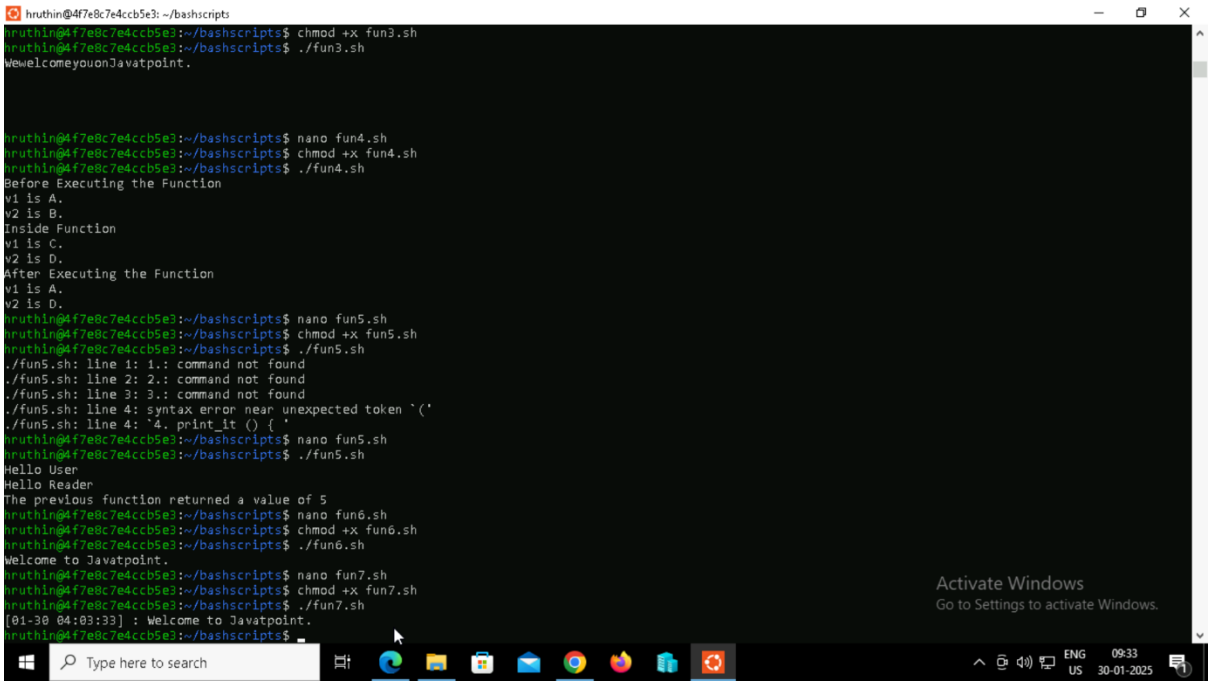
Output:



Example 6: Overriding commands

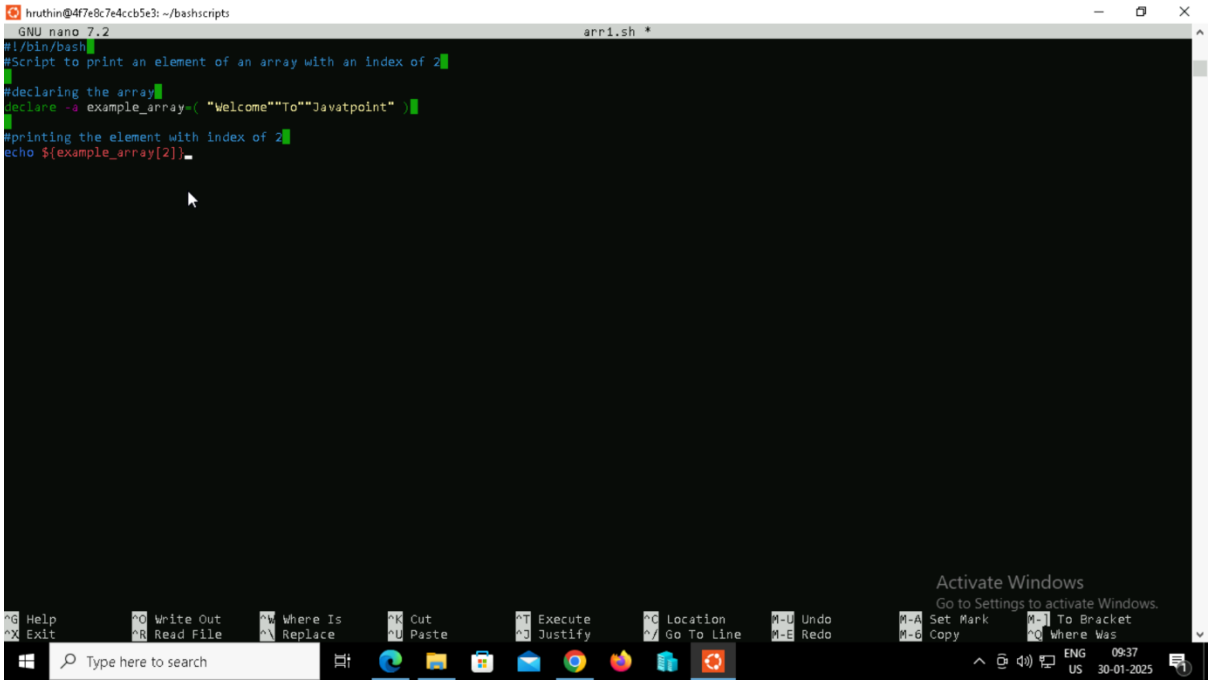


Output:

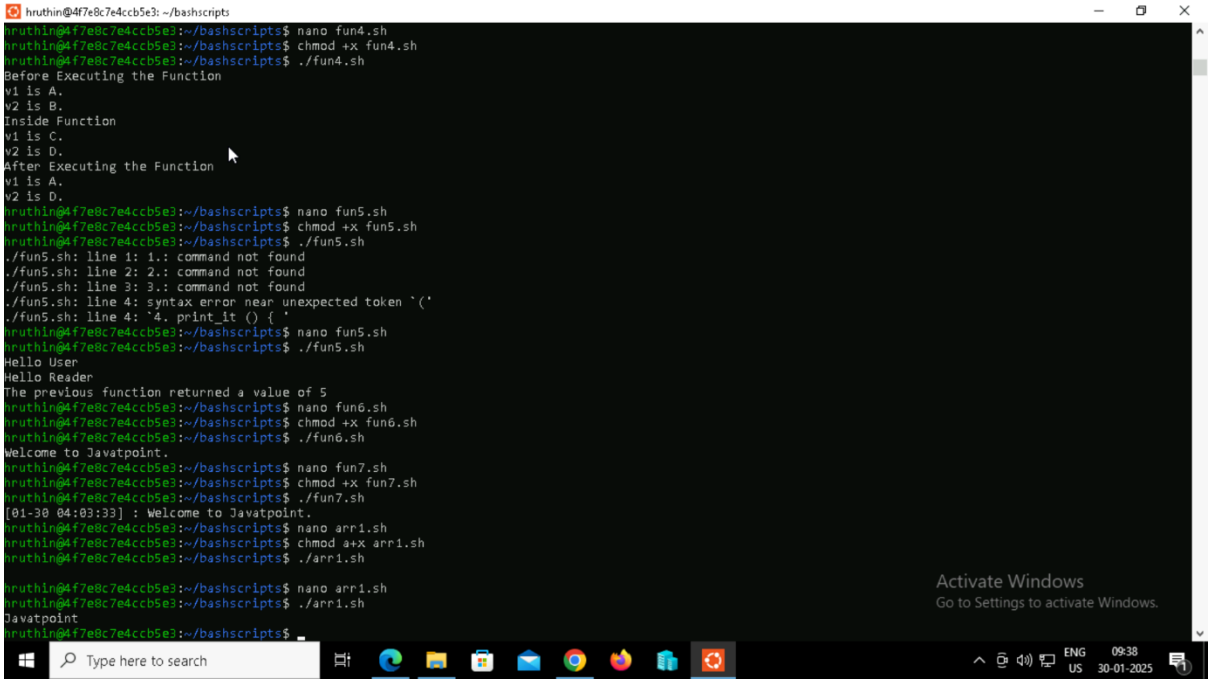


Arrays:

Example 1: Array operations

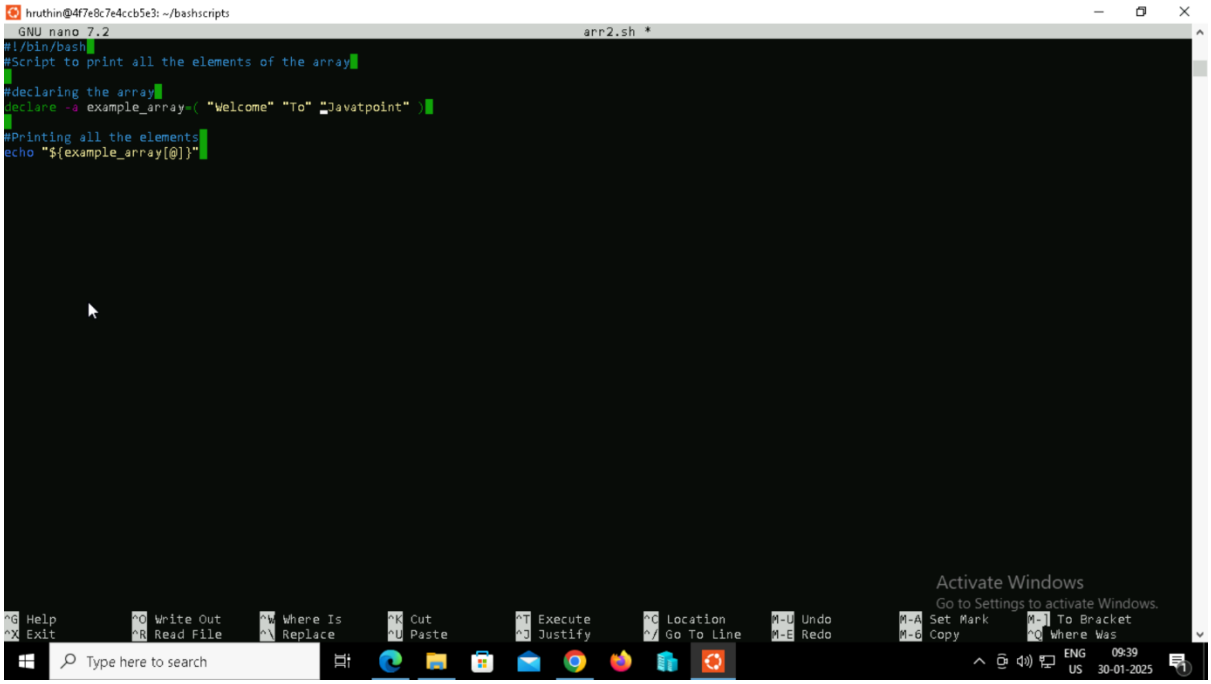


Output:

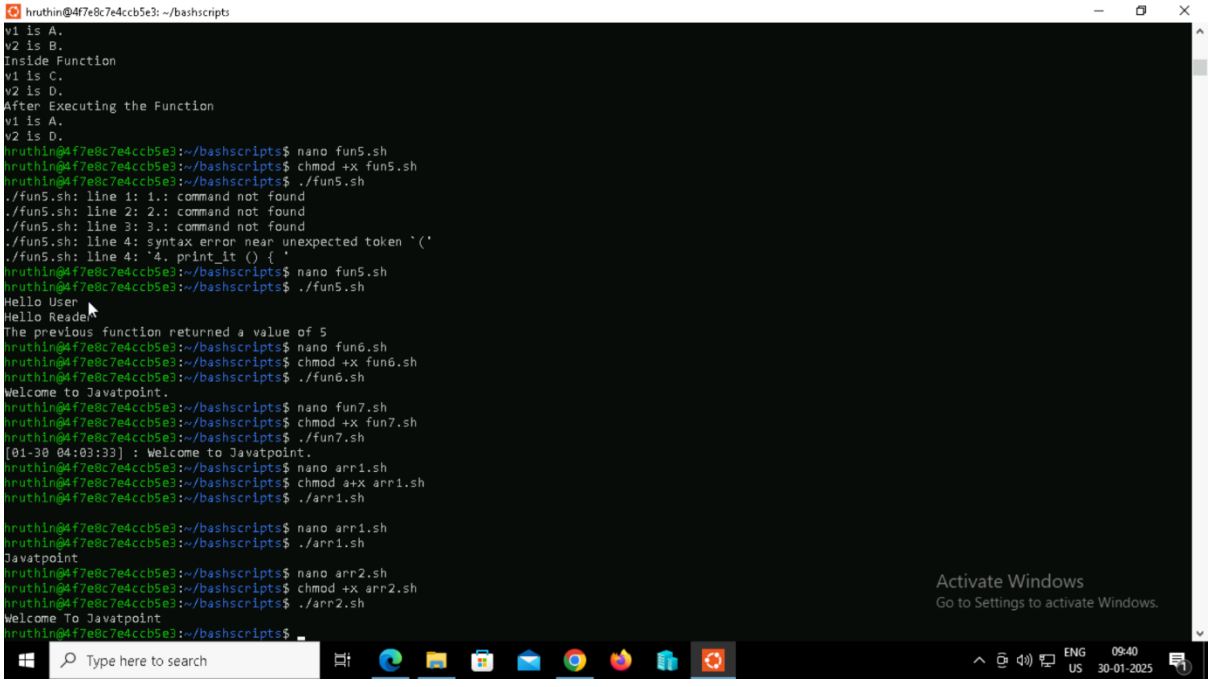


Example 2:

Code:

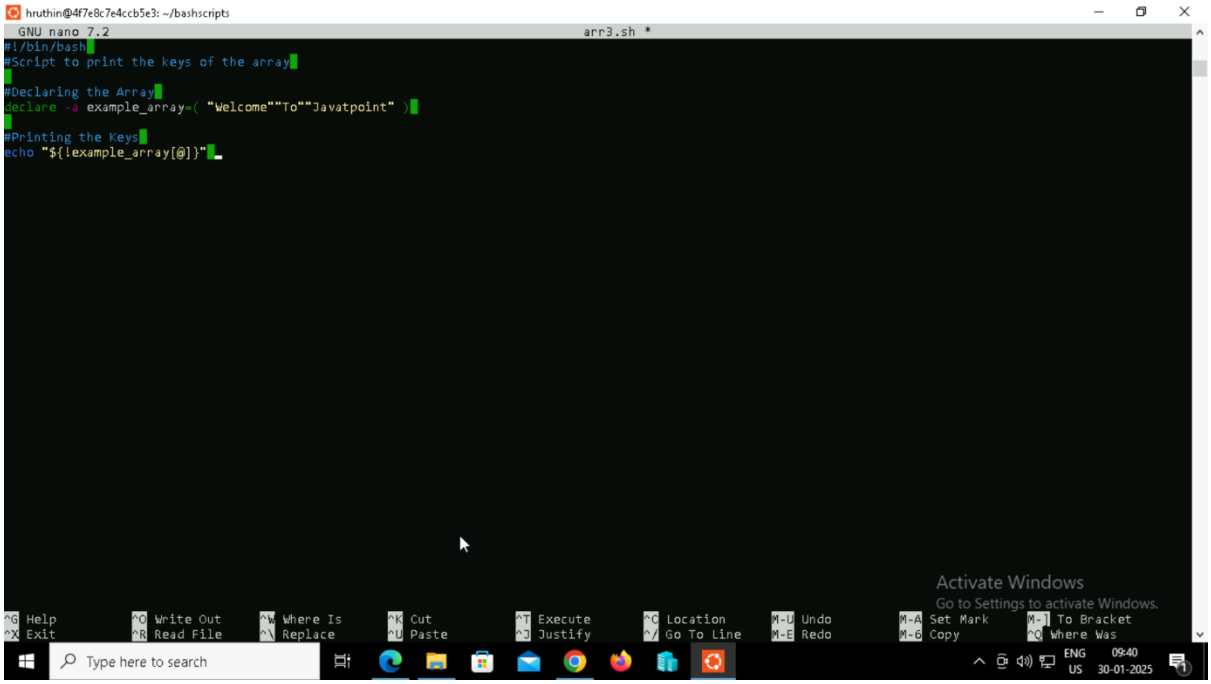


Output:

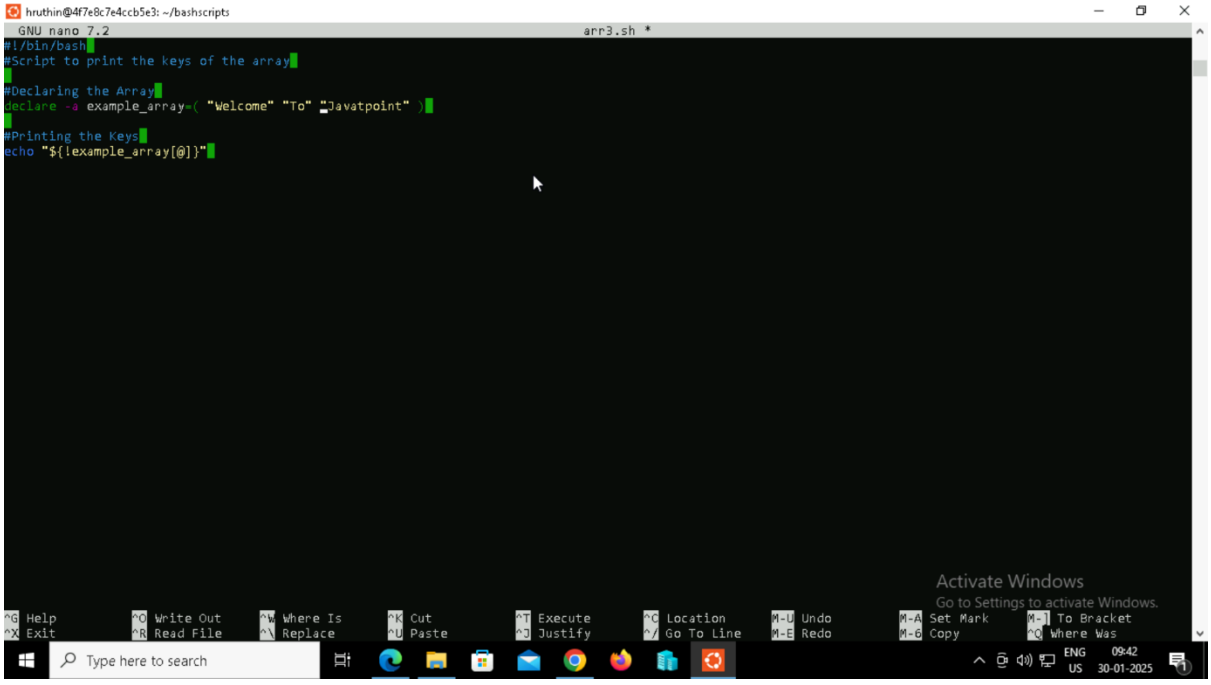


Example 3: Printing keys

Code:

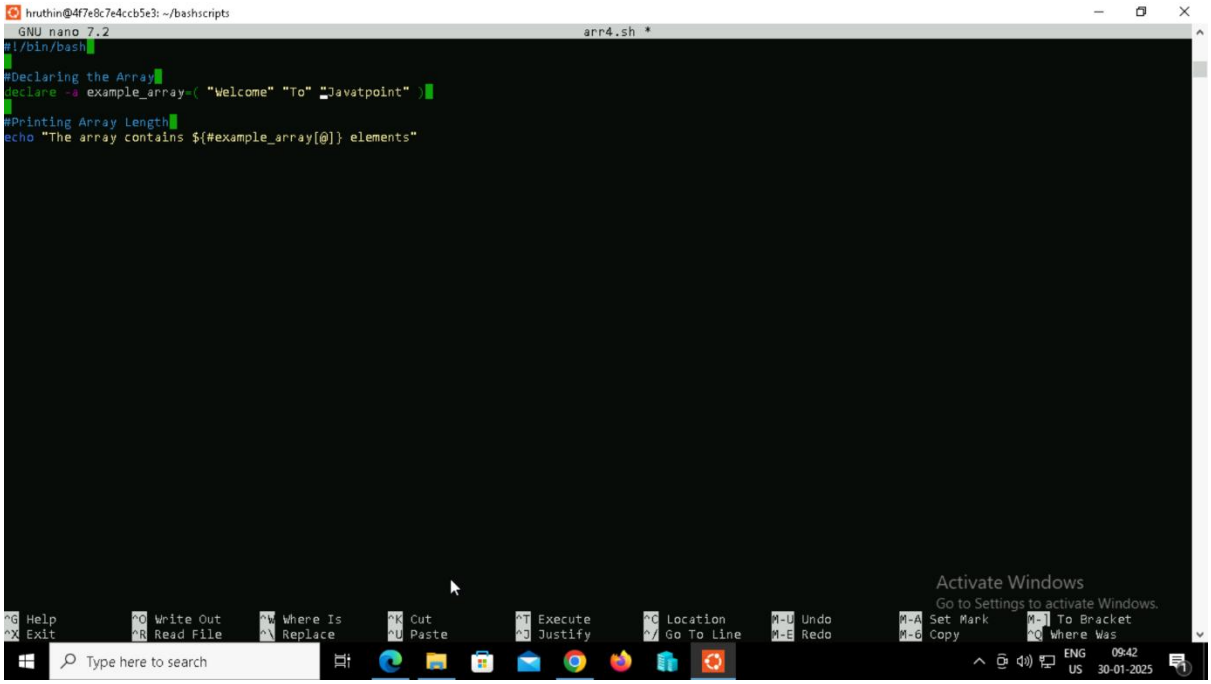


Output:

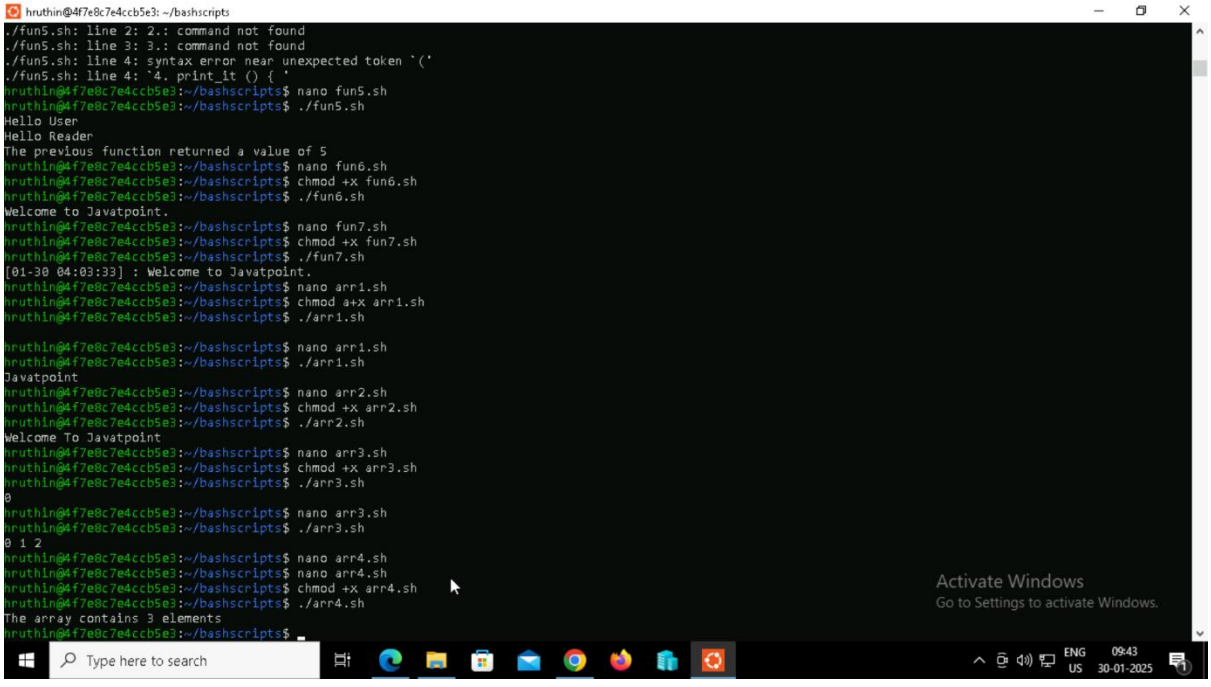


Example 4: Finding array length

Code:

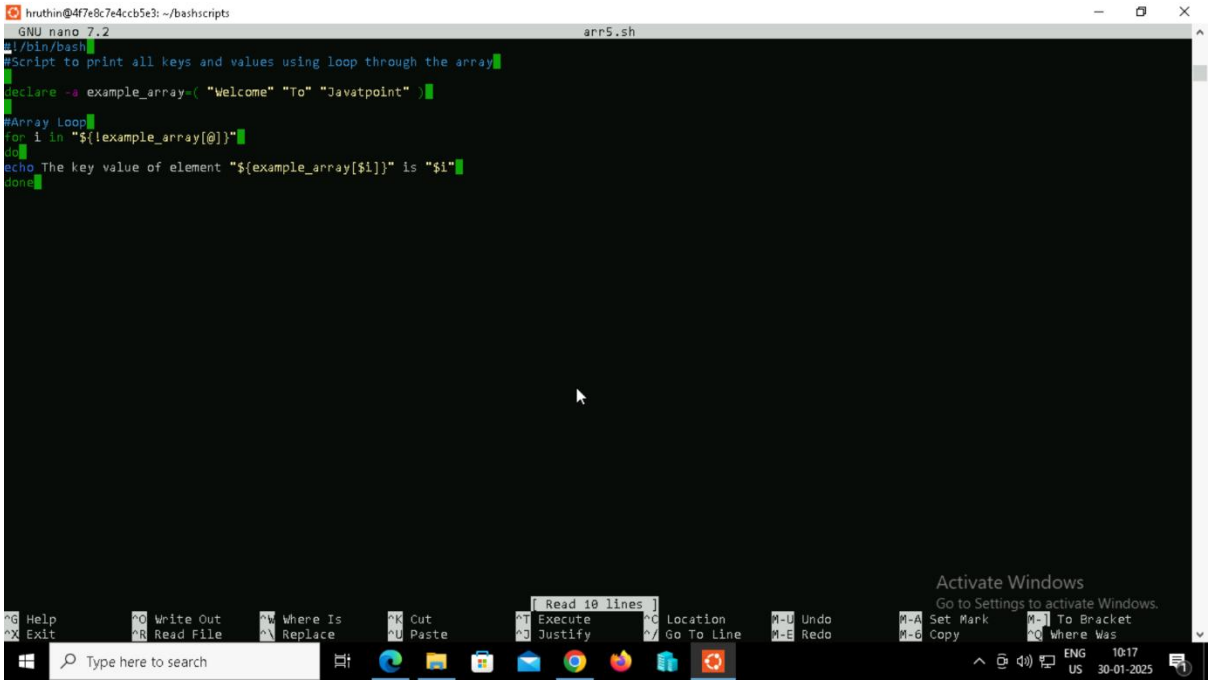


Output:

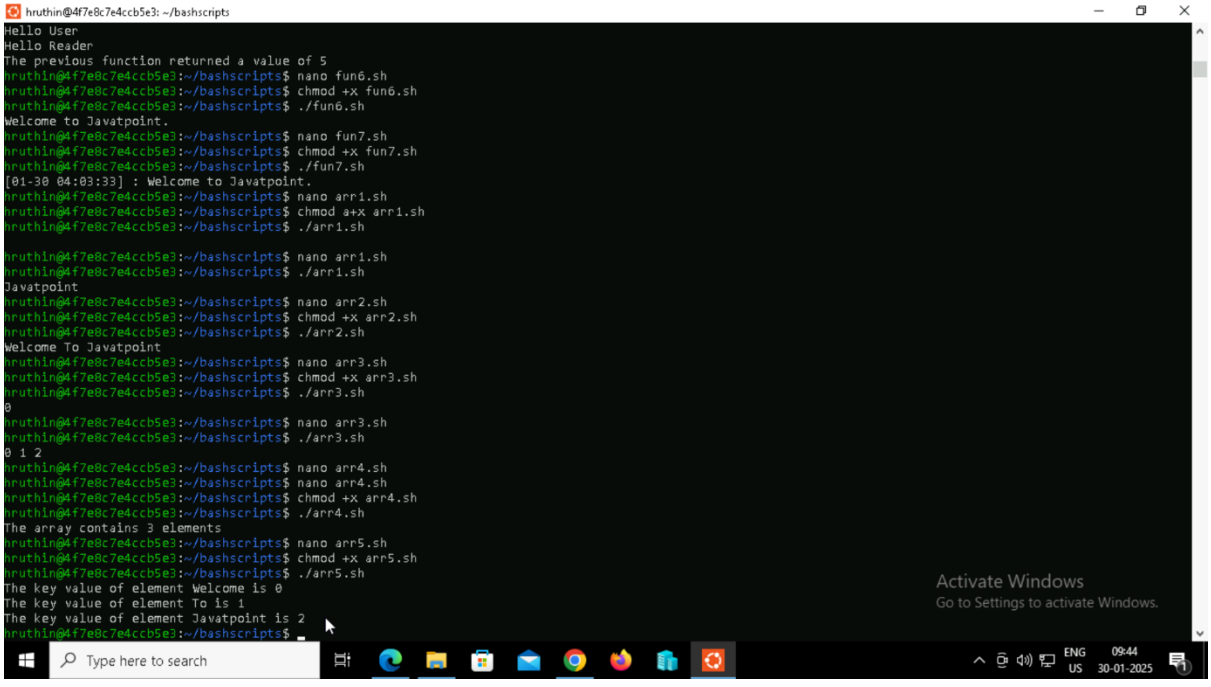


Example 5: Looping through the array

Code:

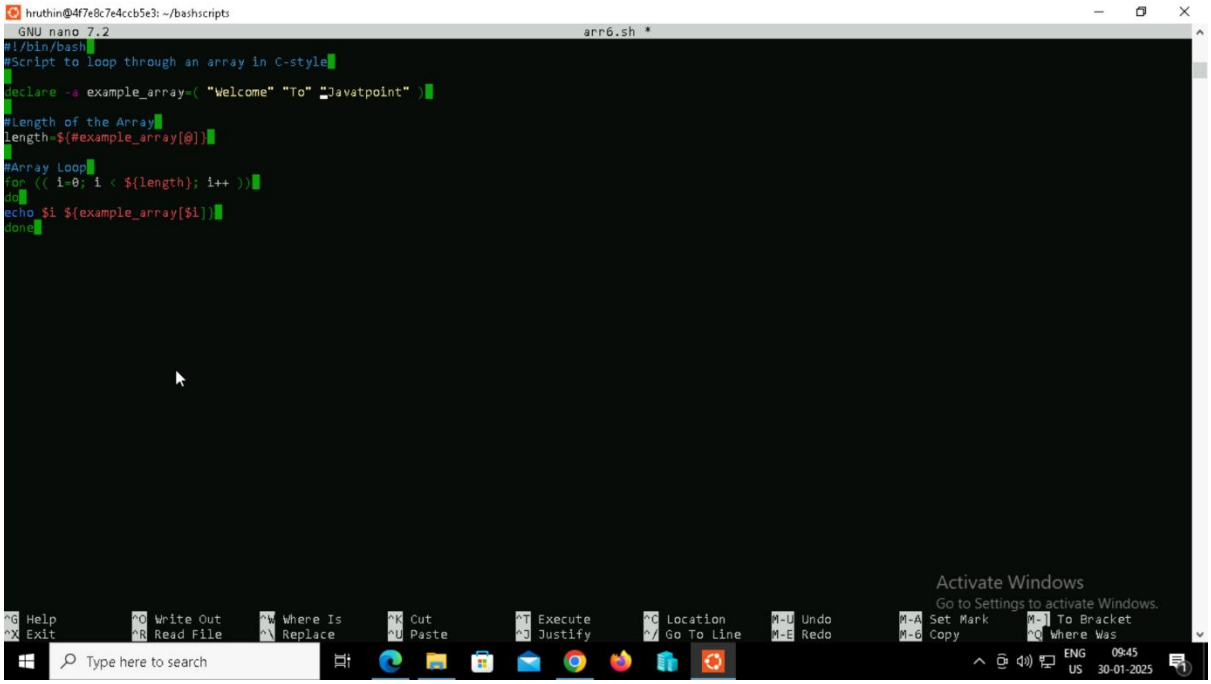


Output:

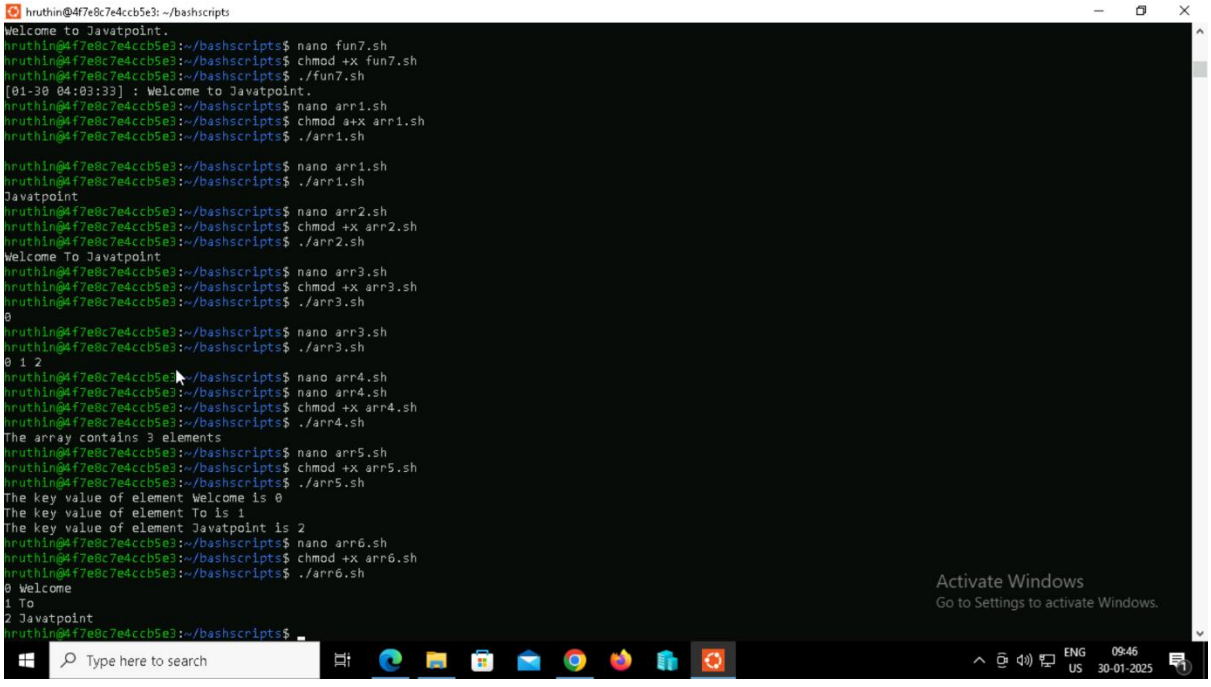


Example 6:

Code:

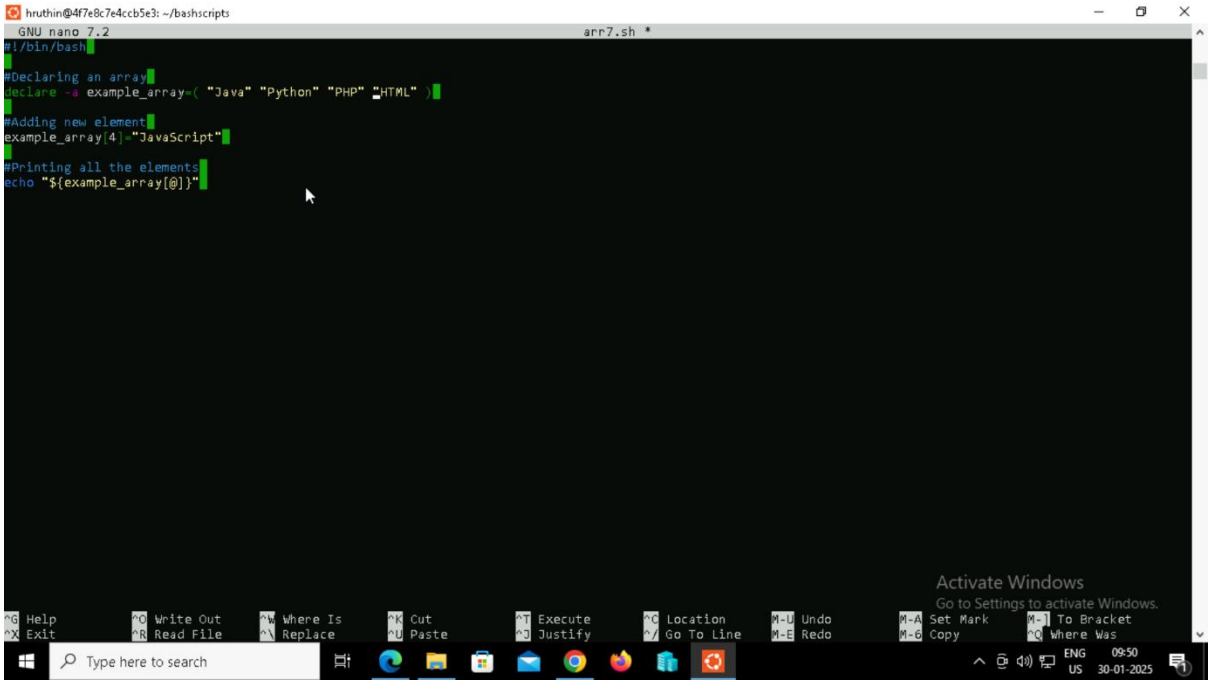


Output:

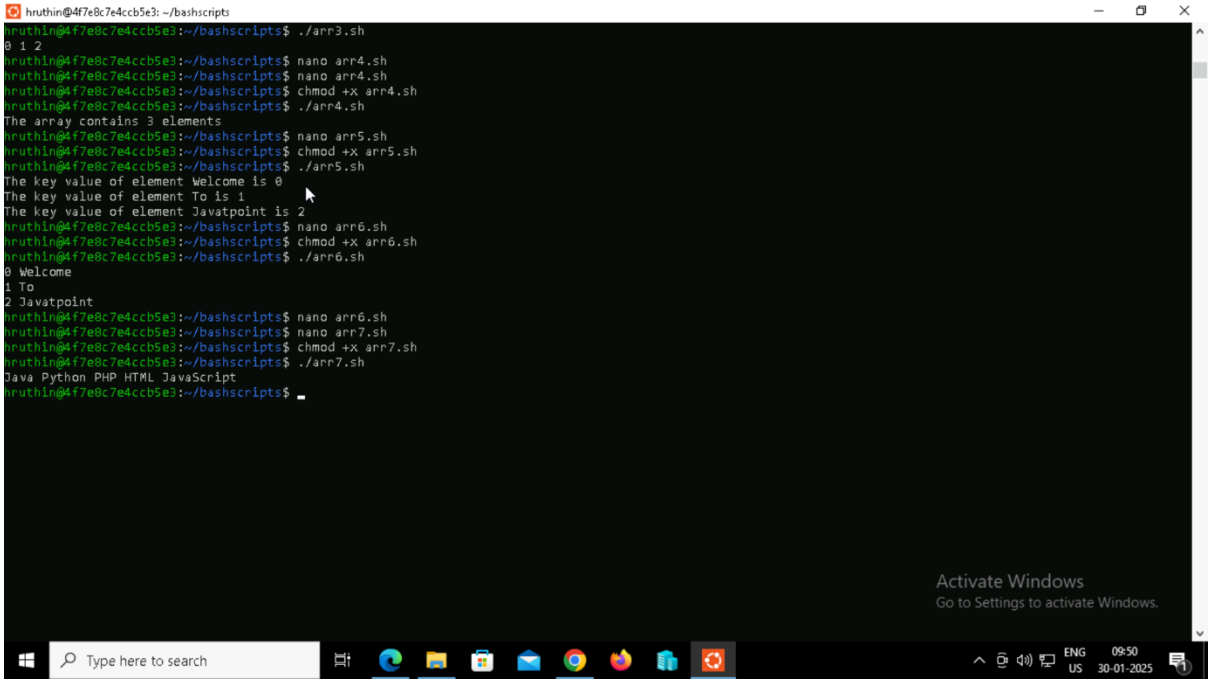


Example 7: Adding Elements

Code:

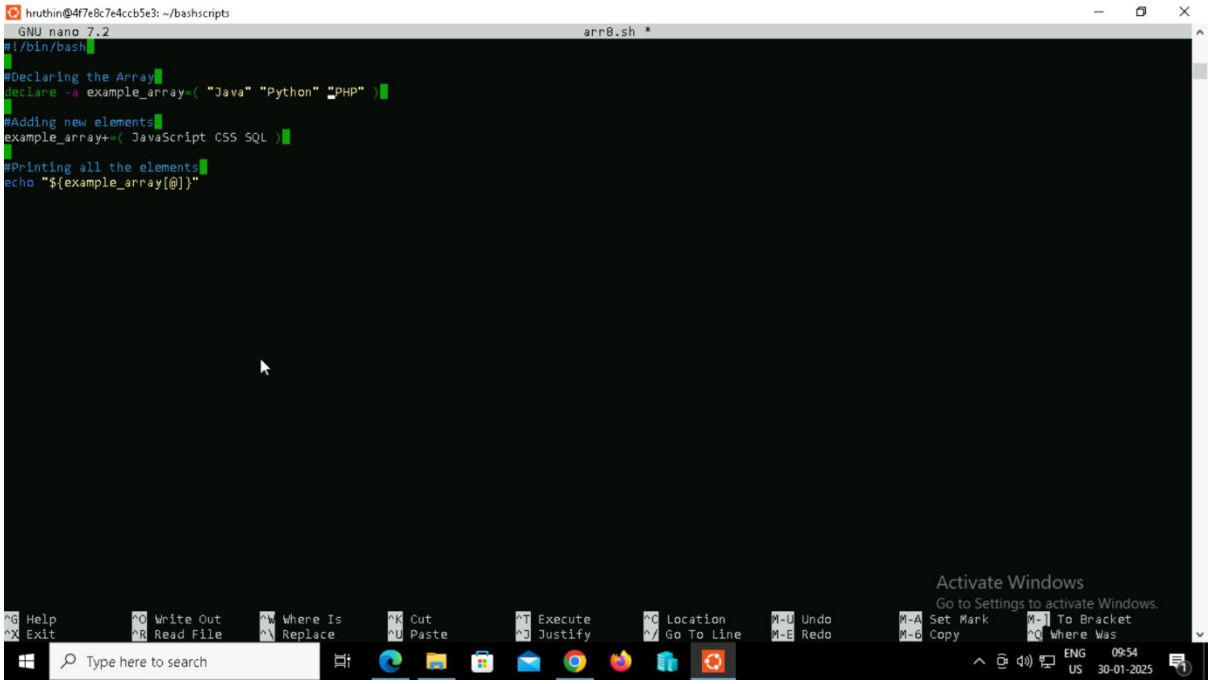


Output:

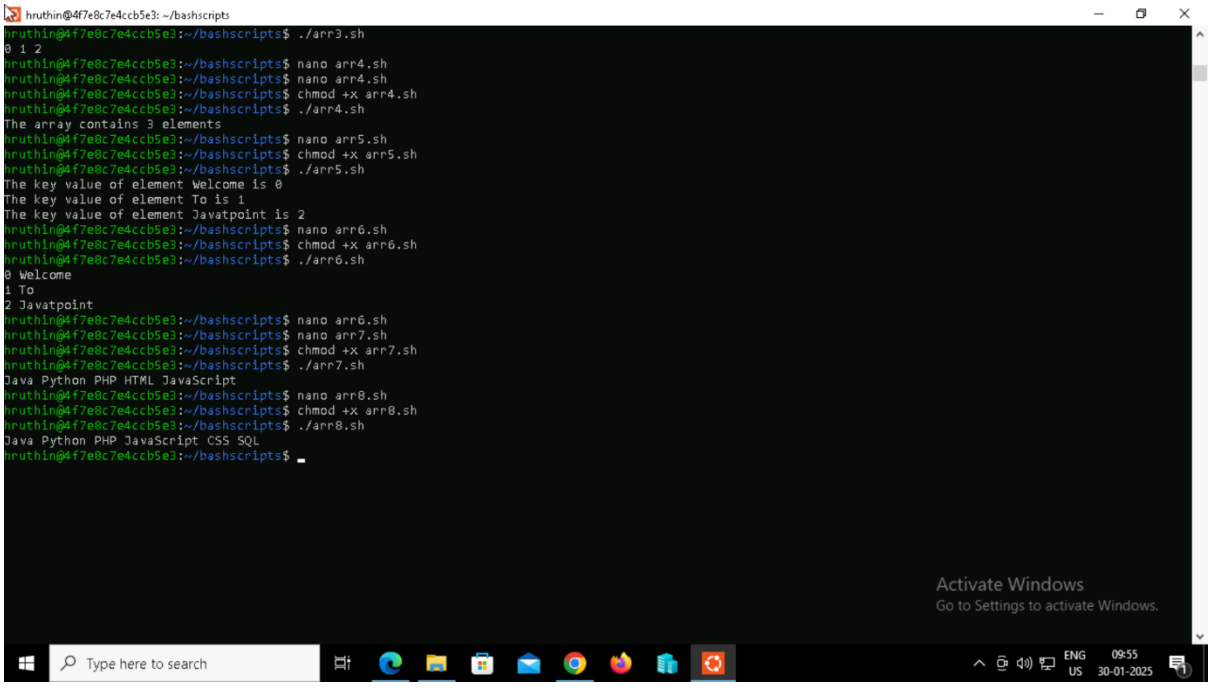


Example 8:

Code:

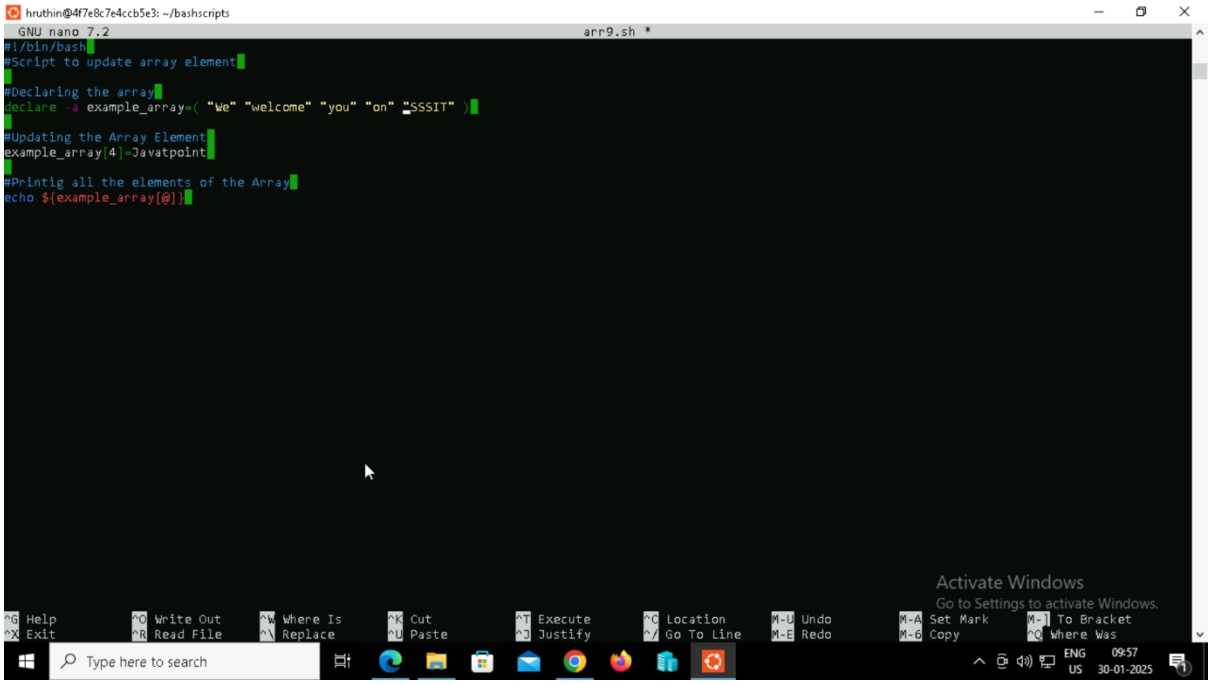


Output:

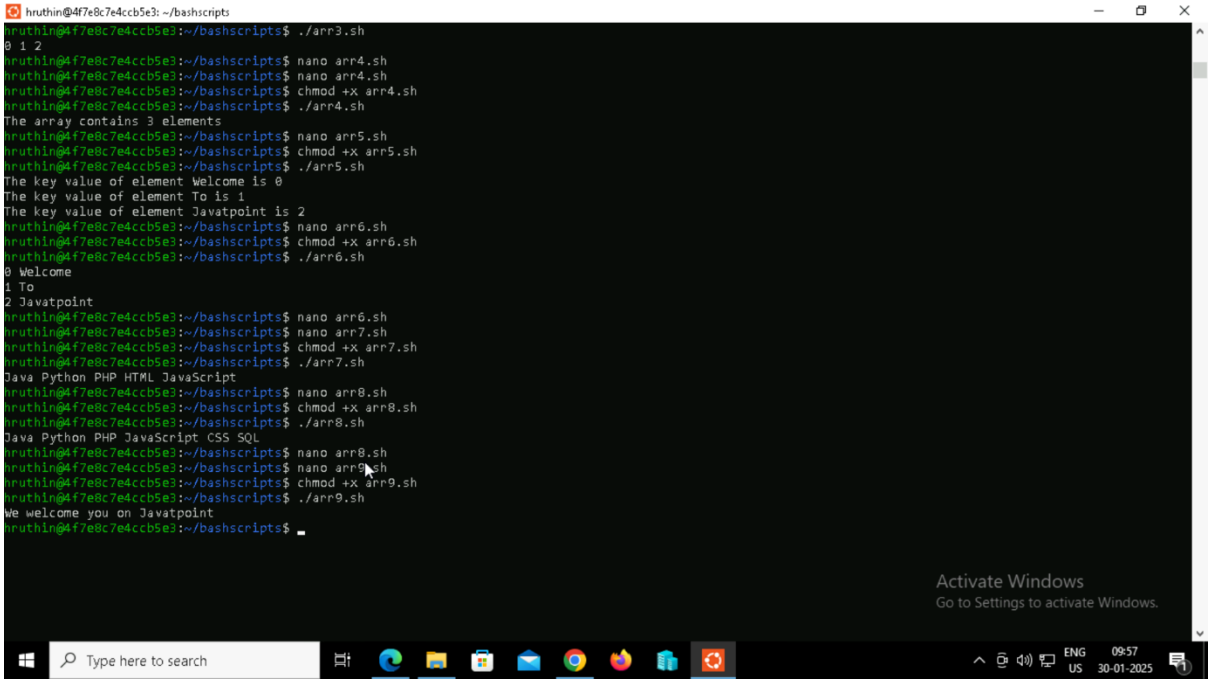


Example 9: updating an element

Code:

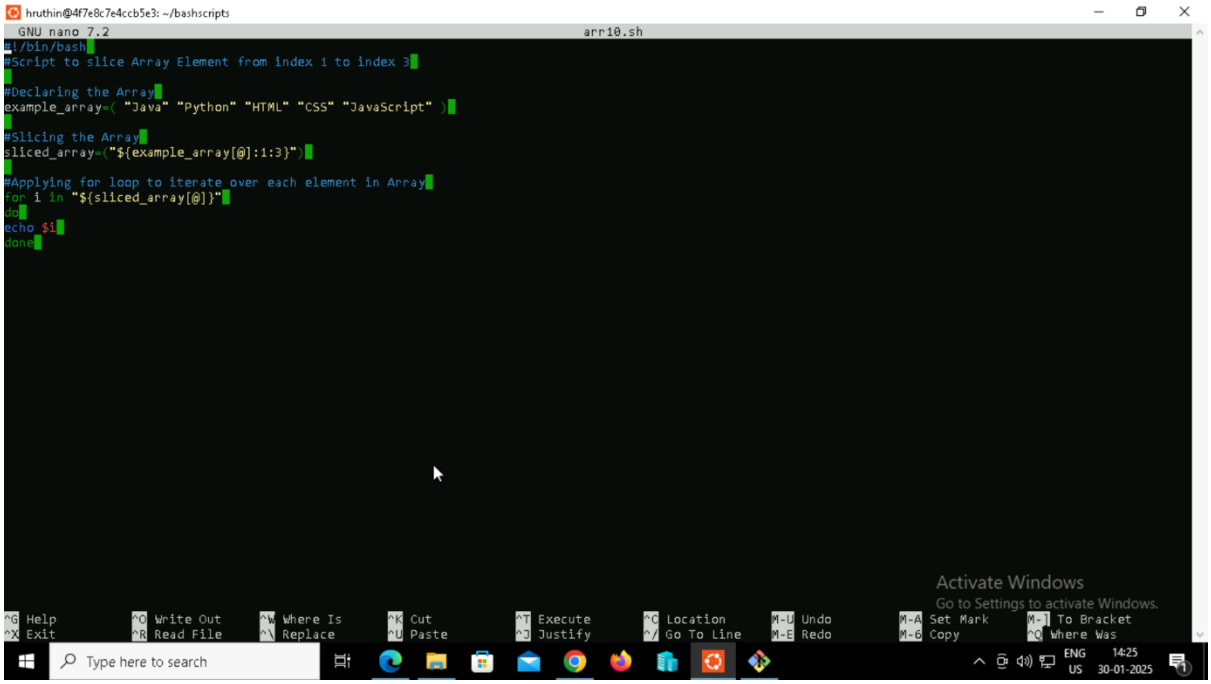


Output:



Example 10: Slicing an array

Code:



Output: