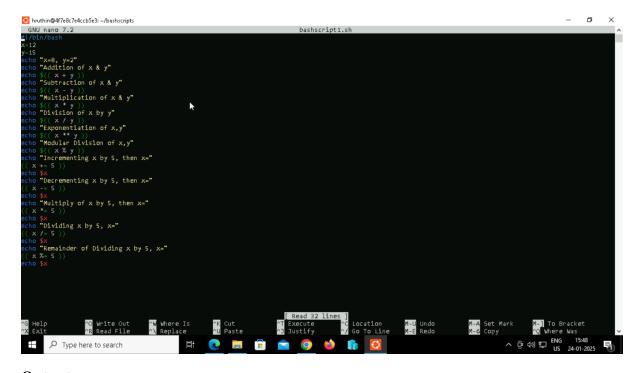
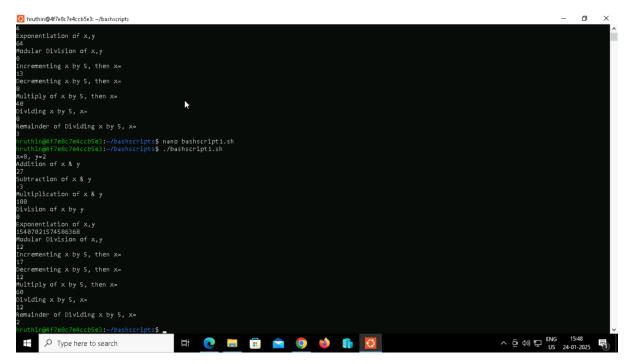
Bash Assignment

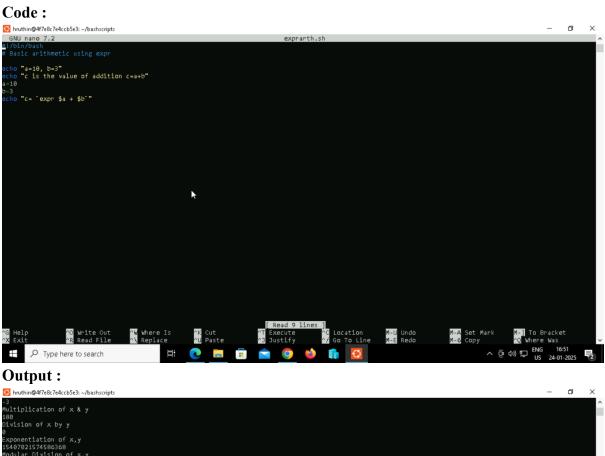
1. Arithmetic operations:

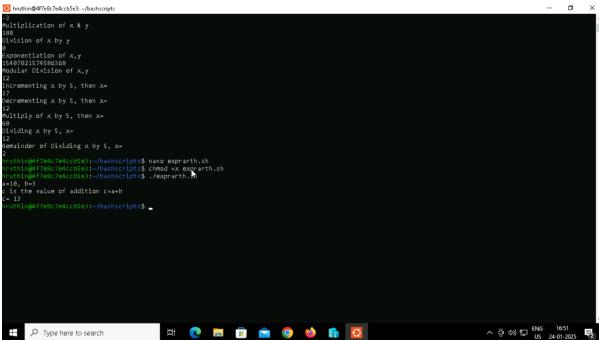
Code:





2. Expr

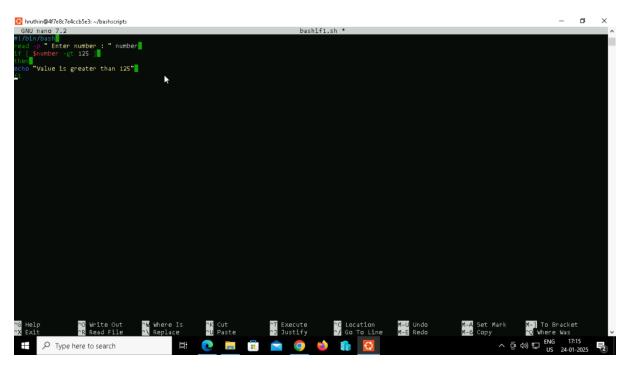


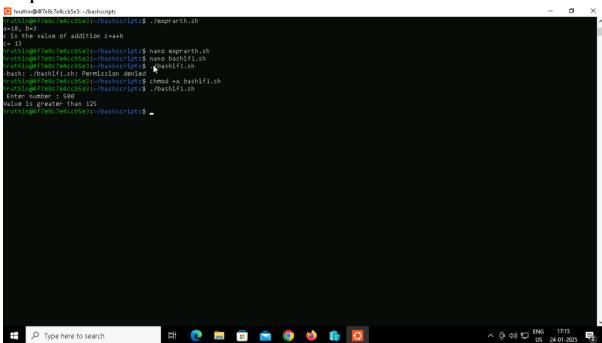


Bash If:

Example 1: In this example, take a user-input of any number and check if the value is greater than 125.

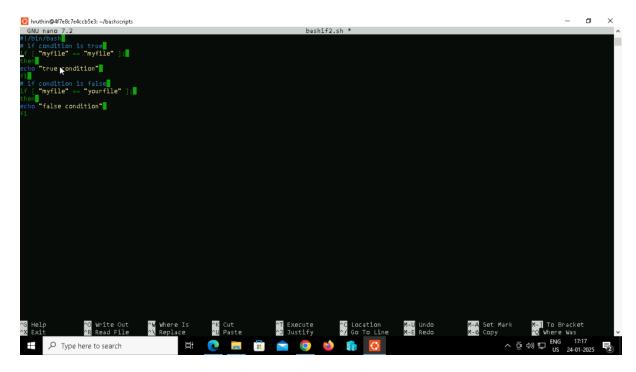
Code:

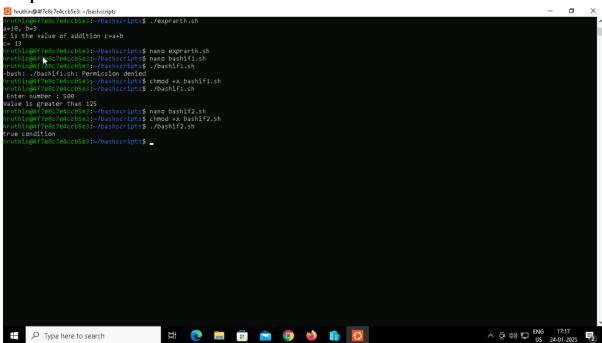




Example 2 In this example, we demonstrate the usage of if statement with a simple scenario of comparing two strings:

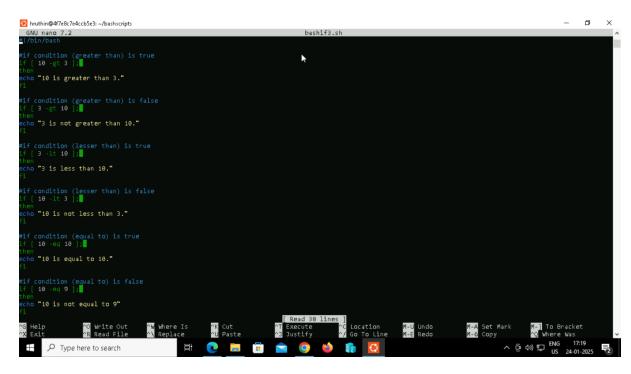
Code:

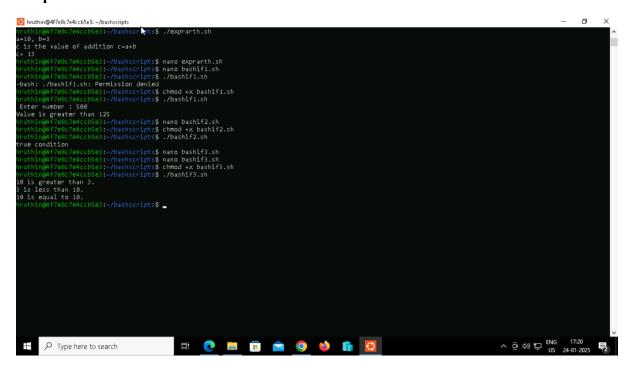




Example 3 In this example, we demonstrate how to compare numbers by using the if statement:

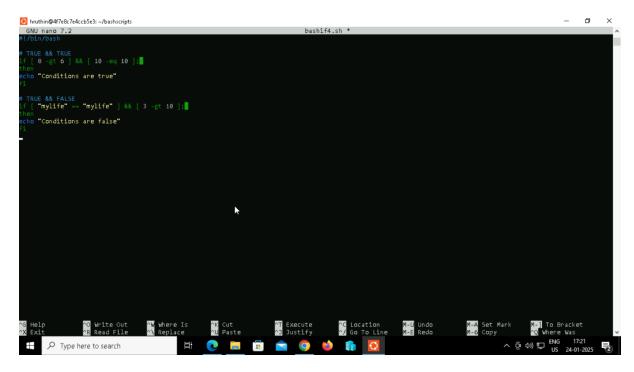
Code:

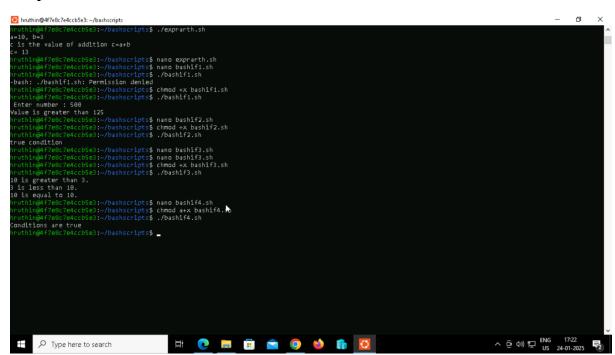




Example 4 In this example, we will define how to use AND operator to include multiple conditions in the if expression:

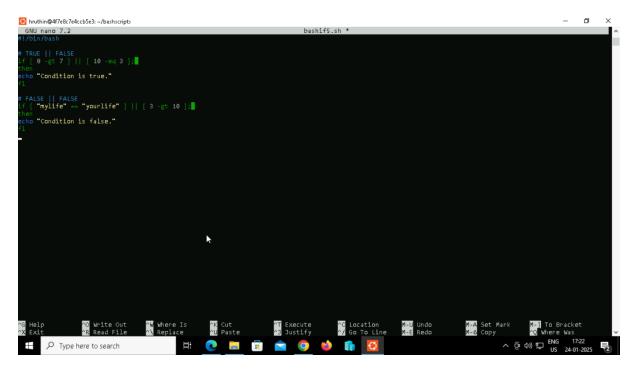
Code:

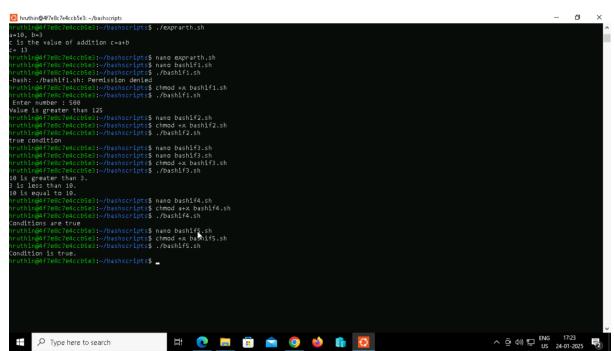




Example 5 In this example, we will define how to use OR operator to include multiple conditions in the if expression:

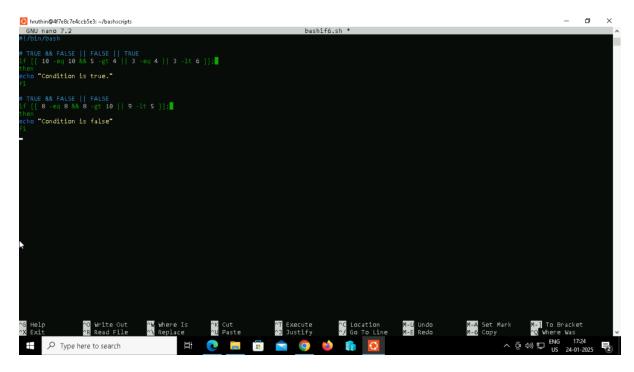
Code:

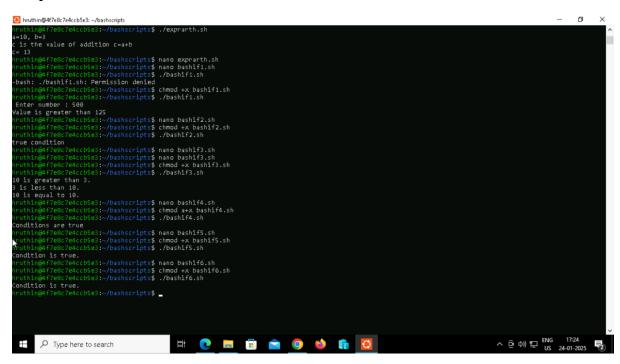




Example 6 In this example, we will define how to use AND and OR to include multiple conditions in the if expression:

Code:

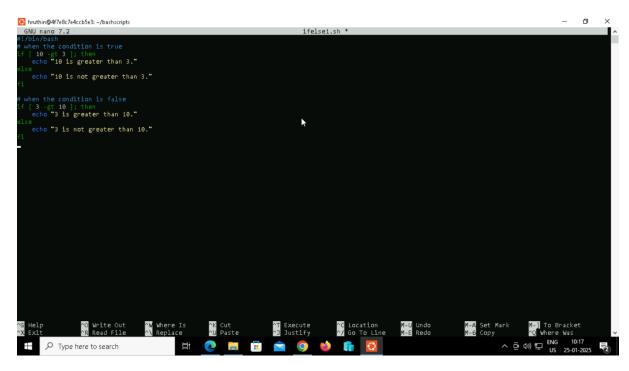


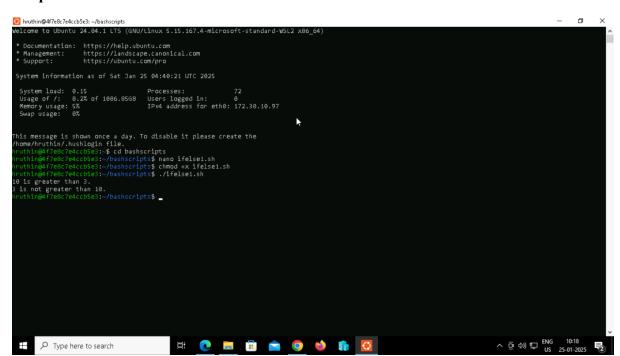


BASH IF ELSE:

Example 1 Following example consists of two different scenarios where in the first ifelse statement, the condition is true, and in the second if-else statement, the condition is false.

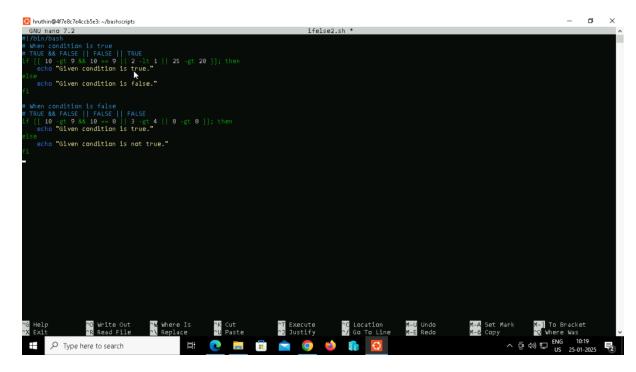
Code:

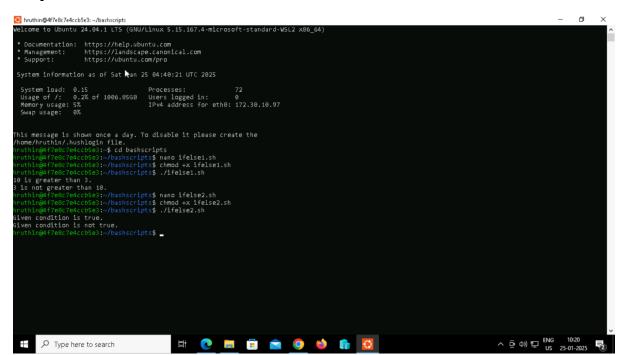




Example 2 In this example, we explained how to use multiple conditions with the if-else statement in Bash. We use bash logical operators to join multiple conditions

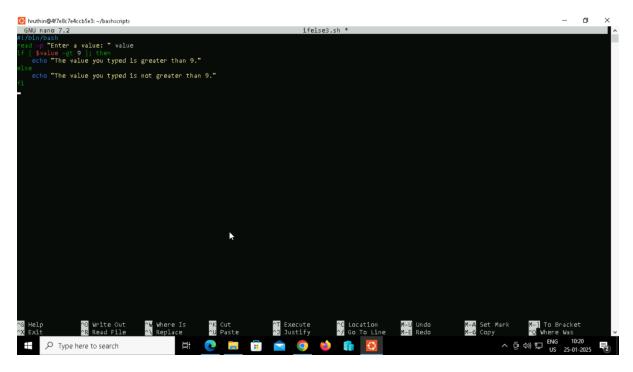
Code:

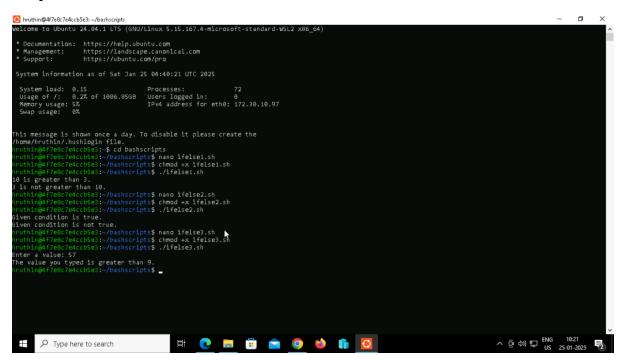




Example $3 > \#!/\text{bin/bash} > \text{read -p "Enter a value:" value} > \text{if [$value - gt 9]; then echo "The value you typed is greater than 9."; else e cho "The value you typed is not greater than 9."; fi$

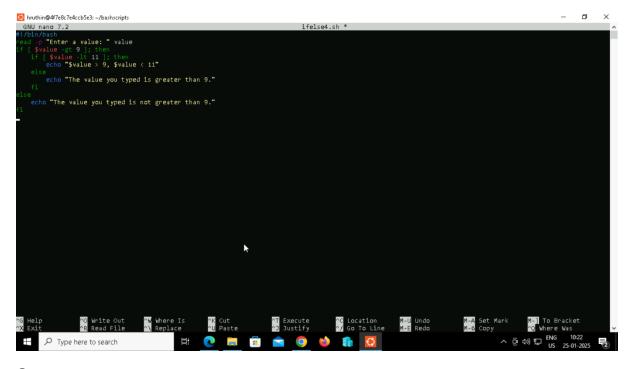
Code:

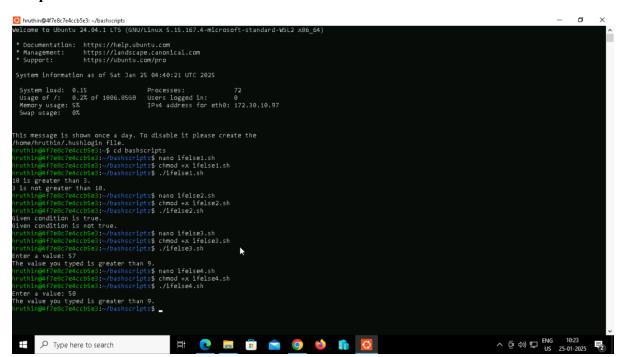




Example 4 ➤ #!/bin/bash ➤ read -p "Enter a value:" value ➤ if [\$value -gt 9]; ➤ then ➤ if [\$value -lt 11]; ➤ then ➤ echo "\$value>9, \$value

Code:



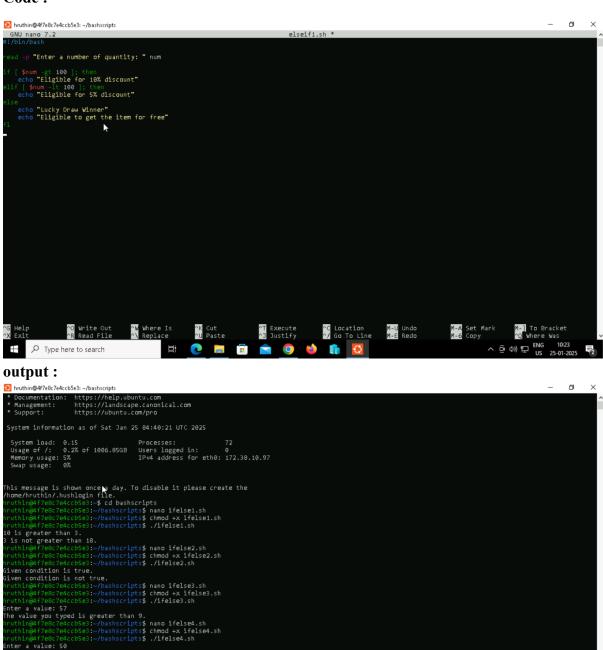


ELSE IF:

Example 1 Following example consists of two different scenarios wherein the first else-if statement, the condition is true, and in the second else-if statement, the condition is false.

Code:

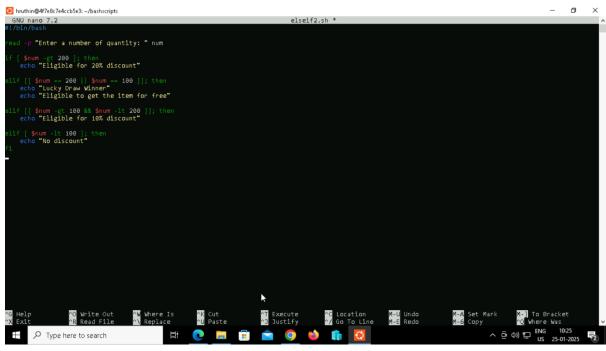
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Example 2 This example is demonstrating how to use multiple conditions with the else-if statement in Bash. We use bash logical operators to join multiple conditions

Code:



output:

