Assignment 3: Shell scripts

Question 1: Script to print All .txt and .c files in the current directory

Shell script to print All .txt and .c files in the current directory:

Output:

Summary of the approach:

- Checks for .txt and .c files using ls *.txt and ls *.c.
- Creates dummy files if none exist.
- Lists all .txt and .c files in the directory.
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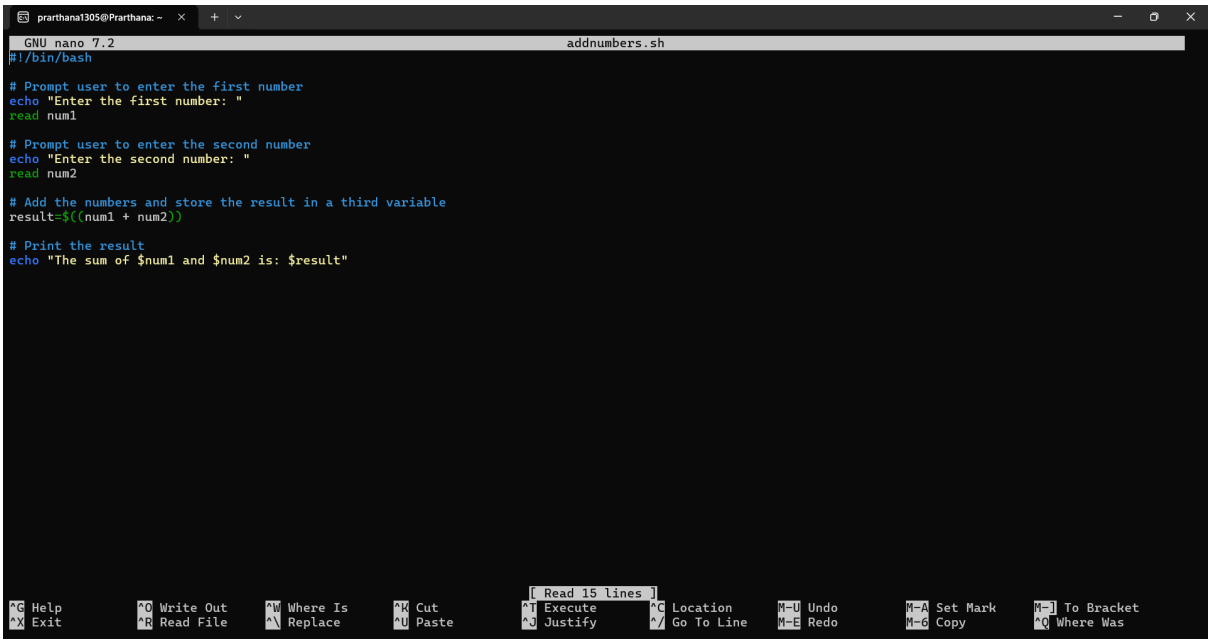
Keyword Usage:

- ls → Lists files in the directory.
- 2>/dev/null → Suppresses error messages.
- if [-z "$variable"] → Checks if a variable is empty.
- > → Redirects output to a file (creates or overwrites).
- echo → Writes text to the terminal or files.

Question 2: Script to Add Two Numbers

Shell script to add two numbers:



Output:

Summary of the approach to add two numbers

- Reads user input using read for two numbers.
- Performs addition using $((num1 + num2)).
- Displays the result using echo.

Keyword Usage:

- #!/bin/bash → Specifies the script should be executed with Bash.
- echo → Prints messages to the terminal.
- read → Captures user input.
- $((expression)) → Performs arithmetic operations.

Output:

- Checks for .txt and .c files using ls *.txt and ls *.c.
- Creates dummy files if none exist.
- Lists all .txt and .c files in the directory