Assignment 3: Create a function that takes a filename as an argument and prints the number of lines in the file. Call this function from your script with different filenames.

```
#!/bin/bash
count_lines_in_file() {
    local filename=$1
    if [ -f "$filename" ]; then
        local line_count=$(wc -l < "$filename")
        echo "The file '$filename' has $line_count lines."
    else
        echo "File '$filename' not found."
    fi  }
# Call the function with different filenames
count_lines_in_file "file1.txt"
count_lines_in_file "file2.txt"
count_lines_in_file "file3.txt"
```

Steps to Run the Script:

1. **Create a Shell Script File:** Open a terminal and create a new file, e.g., count_lines.sh.

   -->nano count_lines.sh

2. **Paste the Script:** Copy the above script and paste it into the count_lines.sh file.

3. **Save and Exit:** Save the file and exit the text editor (for nano, press Ctrl+X, then Y, then Enter).

4. **Make the Script Executable:** Give execute permission to the script.

   -->chmod +x count_lines.sh

5. **Create Sample Files:** Create some sample text files to test the script.

   -->echo -e "Line 1\nLine 2\nLine 3" > file1.txt

   -->echo -e "Line 1\nLine 2" > file2.txt

   -->touch file3.txt # empty file

6. **Run the Script:** Execute the script.

   -->./count_lines.sh