Day 7

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.

A)

```
#!/bin/bash

# Function to count and print the number of lines in a file

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