***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.*

***Bash script to count the number of lines in a file:***

*Bash*

*#!/bin/bash*

*# Function to count lines*

*count\_lines() {*

*filename="$1"*

*if [ -f "$filename" ]; then*

*lines=$(wc -l < "$filename")*

*echo "$filename has $lines lines."*

*else*

*echo "$filename not found."*

*fi*

*}*

*# Call the function with different filenames*

*filenames=("file1.txt" "file2.txt" "non\_existent\_file.txt")*

*for filename in "${filenames[@]}"; do*

*count\_lines "$filename"*

*done*

***How to Run:***

1. *Open a text editor (e.g., Nano, Gedit).*
2. *Copy and paste the script.*
3. *Save the file (e.g., line\_count.sh).*
4. *Open the terminal.*
5. *Navigate to the directory where you saved the file.*
6. *Make the script executable: chmod +x line\_count.sh*
7. *Run the script: ./line\_count.sh*