Assignment-1
CS342: Operating System Lab

General Instruction

- Assignments should be completed and evaluated in the Lab session.

- Markings will be based on the correctness and soundness of the outputs. Marks will be deducted in case of plagiarism.

- Proper indentation & appropriate comments (if necessary) are mandatory in the code.

In today's lab session, we will learn the basics of Shell Scripting and its execution environment. Further, you are expected to solve the following problems in the Lab session.

1. Write a shell script to print a given number in reverse order so the input is provided using the command Line Argument only. The program should throw an error if the input data is not provided as a Command Line Argument.

2. Write a simple shell script that takes two numbers as parameters and uses a while loop to print all the numbers from the first to the second inclusive, each number separated only by a space from the previous number.

3. Write a shell script to simply count the number of lines in an input file by iterating over all lines. If the number of lines is less than a value then delete the file. The inputs are provided using the command Line Argument only.

4. Write a shell script to take a **directory_path**, a **filename_pattern** and a **new_filename** as input. Rename all files in the given directory which matches **filename_pattern** to **new_filename_count.txt**