CS 270	Programming Assignment #3
Bruce Bolden	20 Points
October 22, 2021	**Due:** November 3, 2021

Objective: The purpose of this assignment is to write `bash` scripts to perform a few actions.

Description:

1. Write a script to allow both the addition and removal of line numbers from a text file. NOTE: The `nl` or `sed` command may not be used.

Input	Output	Input	Output
Now is	01 Now is	01 Now is	Now is
the time	02 the time	02 the time	the time
to add	03 to add	03 to add	to add
numbers	04 numbers	04 numbers	numbers

2. Write a script to change file names: *file_1.cpp* → *file1.cpp*
   remove any/all underscores in C/C++ files in a directory.

3. Write a script to backup files and directories into a special subdirectory (`.backup`). Your backup script should handle the case of an existing file or directory of the same name in the subdirectory `.backup`.

Deliverables:

- Results

- Programming Log:
  - Record the time required to design and implement your program.
  - Record of things you encountered/learned while implementing your program.

- Source files

- Submit the program on paper.