

# Assignment 1

## Operating System Lab (CS342)

### Department of CSE, IIT Patna

Date:- 12-Jan-2021

Deadline:- 12-Jan, 11.59 PM

#### Instructions:

1. All the assignments should be completed and uploaded before the deadline. Marks will be deducted for the submissions made after the deadline.
2. Markings will be based on the correctness and soundness of the outputs. Marks will be deducted in case of plagiarism.
3. Proper indentation & appropriate comments (if necessary) are mandatory. [2+2 marks]
4. You should zip all the required files and name the zip file as roll\_no.zip, eg. 1501cs11.zip.
5. Provide a **readme** file with all the execution details (commands to execute) of the codes and outputs/observations (if necessary).
6. Upload your assignment (the zip file) in the following link:  
<https://www.dropbox.com/request/pRRolYseOHrVX9xqcbYS>

#### Questions:

1. Write a shell script to print a given Number in reverse order such that the input is provided using command Line Argument only. If the input data is not provided as a Command Line Argument, it should throw an error.
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 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 directory which matches filename\_pattern to {new\_filename}\_{count}.txt