



Indian Institute of Information Technology, Vadodara
International Campus Diu
Operating Systems Lab (CS363)
Assignment 2 (Shell Scripting)

Date: 09/09/2024

Submit by: 10/09/2024

1. Write a shell script to find whether an input year is leap year or not.
2. Write a shell script to perform an arithmetic operation upon two inputs. The operation should also be input by the user.
3. Write a shell script to concatenate two strings input by the user.
4. Write a shell script to take the filename as input from user and check if the file exists. If it does exist, display "File_name is found at file_Path." Also, check if you have the permission to write to the file. If you have the permission, display "Hurray!!! I can write on file_name." If you don't have permission, display "So sad".
5. Write a shell script to print multiplication table of a number which is given by user.
6. Write a shell script to print Fibonacci series.
7. Write a shell script to check whether an input is a prime or not.
8. Write a shell script to find out the sum of n natural numbers, where n is input by the user.
9. Write a script that takes directory path as input and search of all the image files and displays them and then convert all of the .jpg files of that directory into .bmp files. If directory does not contain any .jpg file. It should display a message to user.
10. Write a script that takes directory path as input and finds all of the .o files in each of the subdirectories of the given directory and delete them. After deleting these files it should make a zip archive of each of these subdirectories.

Best wishes