



UDHNA CITIZEN COMMERCE COLLEGE &
S.P.B. COLLEGE OF BUSINESS ADMINISTRATION &
SMT. DIWALIBEN HARJIBHAI GONDALIA COLLEGE OF BCA & I.T.

(Self-Financed College Affiliated To VNSGU, Surat)
(Recognized college under Section 2 (f) of the UGC Act, 1956), AISHE CODE C-657
(Managed By Udhna Academy Education Trust, Udhna, Surat)

President : Shri Niranjanbhai M. Patel

Secretary : Shri Kantilal S. Patel

Class: TYBCA(5th Semester) A.Y. 2026-27

Subject: 501-Linux Operating System

Practical Assignment

Sr. No	Program Detail
1	Write a shell script that accepts a file name from the user input and creates a menu as follows: (i) Display line count (ii) Display word count (iii) Display character count. Based on selection perform the corresponding action.
2	Write a shell script that accepts a filename, checks if the file exists, and displays its current ownership and permissions. Modify the file permissions so that: User -> Read & Execute, Group -> Read, Others -> No permissions.
3	Write a shell script that takes multiple filenames as user inputs, checks if each file exists, and displays the total number of lines in each file combined with its lower-case content.
4	Write a shell script using sed or grep to delete all lines from a file that contain the word 'LINUX' occurring specifically between the 2nd and 10th line of the file.
5	Write a shell script that accepts a text string and counts the total number of uppercase letters, lowercase letters and digits present in it.
6	Write a shell script that accepts a string from the user and checks whether the entered string is a Palindrome or not.
7	Do as directed: 1. Display all lines from a file that are exactly 8 characters long, start with 'A' and end with a digit. 2. Display only the names of hidden files (dot files) present in the current directory. 3. Display all non-empty lines of a file along with their corresponding line numbers. 4. Write a sed command to replace all occurrences of the word 'Linux' with 'Ubuntu' in a given file. 5. Extract and display the 3rd to 8th characters of the 10th line of a file.
8	Write a shell script that accepts a starting number and an ending number range, prints all even numbers within that range in reverse order.
9	Write a shell script to check whether an entered number is an Armstrong number or not (e.g., $153 = 1^3 + 5^3 + 3^3$).