

Department of Computer Science and Engineering

Winter Semester: 2024-25

CS4086E: System Programming Lab

Practice Lab - 1 (Shell programming/scripting)

- 1) Write a shell script which will take a single filename as a command line input and print the file with line numbers as a prefix.

Input :

This is a line.

This is another.

This is yet another.

Output:

1: This is a line.

2: This is another.

3: This is yet another.

- 2) Write a script using a **for loop** to print numbers from 1 to 100 which are divisible by 11.

- 3) Write a shell script that consists of a function that displays the number of files in the present working directory. Name this function "file_count" and call it in your script.

- 4) Write a shell script that take array as input and find how many prime number present in array

Input : 2 3 5 7 8 9

Output : 4

- 5) Write a script to **find all palindromic strings** in an array of strings.

Input: ["BCAABC","ABC","ABBA"]

Output: ABBA

Instructions:

- 1) Date of Submission: on or before 16, Jan.'25
- 2) Upload the scripts in the Eduserver as a compressed folder containing all the codes named individually.
- 3) Name of the file: FirstName_RollNo.rar