

## JAVA LAB WEEK-2 (15/3/2022) Exercises

- 1) Write a program to count the characters each in the given string. Keep an array of size 26 to indicate each index position to an alphabet. Write method display to print the count of occurrences for the given character.
- 2) Write a method called isPattern which takes an integer array checks whether it has four times consecutive occurrence of a digit and returns true if pattern exists.
- 3) Write an application that inputs five numbers, each between 10 and 100, inclusive. As each number is read, display it only if it's not a duplicate of a number already read. Provide for the "worst case," in which all five numbers are different. Use the smallest possible array to solve this problem. Display the complete set of unique values input after the user enters each new value.
- 4) Suppose the weekly hours for all employees are stored in a two-dimensional array. Each row records an employee's seven-day work hours with seven columns. Write a program that displays employees and their total hours in decreasing order of the total hours.
- 5) Explore the functions of Arrays class with simple program: arraycopy, sort, equals, binarysearch etc (minimum 5 functions)