Subject Lab: Algorithms & Complexity   **Lab Duration: 10:40-12:35**
Lab Code: ECSE202L   **Max Marks: 10**

Lab Assignment 1

Question 1: Write a program in Java to generate 1000 random numbers in a range from 1 to 99 and write it down in the file.

Question 2: Write a program in Java to search a user defined or a random variable in the file generated in question 1 and display the required number of iterations.

Question 3: Write a program in java to find a user defined number in the Sorted array using Binary Search Technique and display the required number of iteration.

Input File: 1000 Random Numbers

Output File: Number of Iterations for the user defined numbers.