5CS021 – Numerical Methods and Concurrency **LAB REPORT – Week 8**

Attempt all questions

1. Write a program that creates two threads to display the numbers from 1-1000. The two threads should equally contribute to displaying the numbers.

2. Write a program that creates two threads to display all the prime numbers from 1-500. The two threads should equally contribute to displaying the numbers.

3. Write a program that creates 5 threads to display the numbers from 1-1000.The five threads should equally contribute to display the numbers.

4. Convert program no.3 to accept an integer to specify the number of threads and then create that number of threads dynamically. All the threads will equally contribute to display the numbers from 1-1000.

5. Create a multithreaded program to display all the odd numbers from 1-1000. Your program should ask the user to input the number of threads. Based on the number of threads you should divide the workload among the threads

6. Create a program to search an element from an array using multithreading. If the element is found print element found else print element not found.