

## **JAVA Module 5 – Multi Threading Assignment**

1. Write a Java Program (WAP) to solve producer consumer problem using Multi Threading.
2. WAP to solve Traffic Light Problem using multithreading. (Use concept of Thread Synchronization).
3. WAP to display the current time continuously with the help of thread. Develop user defined suspend and resume methods to suspend (stop the display of time) and resume (continue to display the time) the thread.
4. WAP to add  $n \times n$  matrix elements (integer) with the help of multi threading. Each thread perform the addition of elements of a single row in matrix. If there are  $n$  rows, then create  $n$  threads to perform the addition. In main method, print the final sum.