

**JAVA Lab**  
**Lab Experiment No 9**

Roll No.\_\_\_\_ Batch\_\_\_\_\_

**Aim:** Write a JAVA program to demonstrate the concept of multithreading and synchronization.

**Problem statement:**

Create two threads such that one thread will print first 10 even natural numbers(0,2,4..) and another will print first 10 odd natural numbers(1,3,5..) in an ordered fashion.

To implement this you can use any of the following :

- i. Synchronized method
- ii. Synchronized block
- iii. Static synchronization

**Theory:**

1. What is thread? How is it different from process?
2. What are the ways to implement multithreading? Give syntax.
3. Define synchronization.
4. How to achieve synchronization of threads?
5. Advantages of Multithreading..

**Program:** code

**Output:** Snapshot of output (please take output with minimum two possible input