***Multithreading***

**1. Thread functionalities like getName, setName, getPriority, setPriority, sleep,yield, join etc. by creating threads using Thread Class and Runnable interface.**

**2. Shared Bank Account using Synchronization and object locks and wait and notify methods.**

**3. Write Time display Applet which prints date and time on screen.**

**4. Inter-thread communication using wait, notify, notifyAll methods.**

**5. Program in JAVA showing lifecycle of thread. Print randomly the name of the thread and value of sleep time. The name of thread should be hardcoded through constructor. Sleep time should be random integer in range 0 to 4999.**

**6. Display name and priority of current thread. Change name of Thread to MyThread and set priority to 2 and display it on screen.**

**7. Program to suspend and resume threads.**

**8. Demonstrate synchronized block.**