Lab 8

a)
```java
class DisplayMessageThread extends Thread {
    private final String message;
    private final long interval;    // in ms

    DisplayMessageThread (String message, long interval) {
        this.message = message;
        this.interval = interval;
    }
    public void run() {
        try {
            while (true) {
                System.out.println(message);
                Thread.sleep(interval);
            }
        } catch (InterruptedException e) {
            System.out.println(Thread.current
            thread().getName() + "interrupted");
        }
    }
}
```

```java
public class TwoThreeDemo {
    public static void main (String [] args) {

        DisplayMessageThread thread1 = new DisplayMessage
        Thread ("Bms college of Engineering, 10000);

        DisplayMessageThread thread1 = new DisplayMessage
                                                Thread ("CSE", 2000);

        thread1.setName ("Thread 1");
        thread2.setName ("Thread 2");

        thread1.start();
        thread2.start()

        try {
            Thread.sleep(3000);
        }
        Catch (InterruptedException e) {
            System.out.println ("Main thread exception.");
        }

        thread1.interrupt();
        thread2.interrupt();
        System.out.println ("Main thread exiting");
    }
}
```

OUTPUT :

BMS college of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of engineering
CSE
CSE
CSE
CSE
CSE
BMS college of Engineering
CSE
CSE
CSE
CSE
CSE
Main thread exiting
Thread 2 interrupted
Thread 1 interrupted.

6-2-21