1. Write a program to implement Thread Synchronization

Code :

```
class Table1 {
   synchronized void printTable(int n) {
      System.out.println("Table of "+n);
      for (int i = 1; i <= 10; i++) {
         System.out.println(n * i);
         try {
            Thread.sleep(100);
         } catch (Exception e) {
            System.out.println(e);
         }
      }
   }
}
class MyT1 extends Thread {
   Table1 t;
   MyT1(Table1 t) {
      this.t = t;
   }
   public void run() {
      t.printTable(5);
   }
}
class MyT2 extends Thread {
   Table1 t;
   MyT2(Table1 t) {
      this.t = t;
   }
   public void run() {
      t.printTable(100);
   }
}

public class thread3 {
   public static void main(String args[]) {
      Table1 obj = new Table1();
      MyT1 t1 = new MyT1(obj);
      MyT2 t2 = new MyT2(obj);
      t1.start();
      t2.start();
   }
}
```

Output :

```
Table of 5
5
10
15
20
25
30
35
40
45
50
Table of 100
100
200
300
400
500
600
700
800
900
1000
```