classmate

Date ______
Page ______

LAB 10

```
class A {
    synchronized void Foo(B b){
        String name = Thread.currentThread().getName()
        SOP(name +" entered A.Foo ");

        try {
            Thread.sleep(1000);
        } catch(Exception e) {
            SOP("A interrupted");
        }

        SOP(name+" trying to call B.last()");
        b.last();
    }
    synchronized void last(){
        System.out.println(" Inside A.last");
    }
}

class B {
    synchronized void bar(A a){
        String name = Thread.currentThread().getName()
        SOP( name + "entered B.bar ");
    try {
        Thread.sleep(1000);
    } catch(Exception e){
        SOP("B interrupted");
    }
    SOP(name + " trying to call A.last()");
    a.last();
  }

  synchronized void last(){
      SOP("Inside B.last");
  }
}

class Deadlock implements Runnable {
    A a  =new A();
    B b  =new B();

    Deadlock(){
        Thread.currentThread().setName("Main Thread");
        Thread t = new Thread(this, "Racing Thread");
        t.start();

        a.Foo(b);
        SOP("Back in main thread");
    }
    public void run() {
        b.bar(a)
      sop("Back in other thread");
  }

  psvm (String[] args) {
        new Deadlock();
    }
}
```