```
class A {
  synchronized void foo(B b) {
    String name = Thread.currentThread().getName();
   System.out.println(name + " entered A.foo");
   try {
     Thread.sleep(1000);
   } catch (Exception e) {
     System.out.println("A Interrupted");
   }
   System.out.println(name + " trying to call B.last()");
   b.last();
 }
  synchronized void last() {
   System.out.println("Inside A.last");
 }
}
class B {
  synchronized void bar(Aa) {
    String name = Thread.currentThread().getName();
   System.out.println(name + " entered B.bar");
```

```
try {
     Thread.sleep(1000);
   } catch (Exception e) {
     System.out.println("B Interrupted");
   }
   System.out.println(name + " trying to call A.last()");
   a.last();
 }
  synchronized void last() {
   System.out.println("Inside B.last");
 }
class Deadlock implements Runnable {
 A = new A();
  Bb = new B();
 Deadlock() {
   Thread.currentThread().setName("MainThread");
   Thread t = new Thread(this, "RacingThread");
   t.start();
   a.foo(b); // Get lock on a in this thread.
```

}

```
System.out.println("Back in main thread");
 }
 public void run() {
   b.bar(a); // Get lock on b in other thread.
   System.out.println("Back in other thread");
 }
 public static void main(String[] args) {
   new Deadlock();
 }
}
 C:\Users\bpsuh\Downloads\ds lab>java Deadlock
 RacingThread entered B.bar
 MainThread entered A.foo
 RacingThread trying to call A.last()
MainThread trying to call B.last()
```