2.Writing the program in Java to demonstrate sleep() and wait()

public class MyClass

{

private static Object LOCK = new Object();

public static void main(String args[]) throws InterruptedException

{

Thread.sleep(1000);

System.out.println("Thread '" + Thread.currentThread().getName() + "' is woken after sleeping for 1 second");

synchronized (LOCK)

{

LOCK.wait(1000);

System.out.println("Object '" + LOCK + "' is woken after" + " waiting for 1 second");

}

}

}

**Output:**

