

```

public class Box {

    private Object contents = null; // contents
    private boolean empty = true; // empty?

    public synchronized void put(Object item) {
        while (!empty) {
            try {
                wait();
            } catch (InterruptedException e) {
                return;
            }
        }
        contents = item;
        empty = false;
        notifyAll();
    }
}

```

```

    public synchronized Object get() {
        while (empty) {
            try {
                wait();
            } catch (InterruptedException e) {
                return null;
            }
        }
        Object item = contents;
        contents = null;
        empty = true;
        notifyAll();
        return item;
    }
}

```