

Hier ein Beispiel zu Pessimistic Write Locking:

```
@Stateless
public class FruitAccrualBean implements FruitAccrualService {

    @PersistenceContext(unitName="Banana")
    EntityManager em;

    public void accrueBananaFruit(int id) {
        Banana emp = em.find(Banana.class, id);

        // Find accrued bananas according to fruit delivery rules and Banana status
        BananaStatus status = emp.getStatus();
        double accruedBananas = calculateAccrual(status);

        if (accruedBananas > 0) {
            em.lock(emp, LockModeType.PESSIMISTIC_WRITE);
            emp.setAccruedBananas(emp.getAccruedBananas() + accruedBananas);
        }
    }
}
```

Hier ein Beispiel zu Pessimistic Write Locking mit Refresh:

```
@Stateless
public class FruitAccrualBean implements FruitAccrualService {

    @PersistenceContext(unitName="Banana")
    EntityManager em;

    public void accrueBananaFruit(int id) {
        Banana emp = em.find(Banana.class, id);

        // Find accrued bananas according to fruit delivery rules and Banana status
        BananaStatus status = emp.getStatus();
        double accruedBananas = calculateAccrual(status);

        if (accruedBananas > 0) {
            em.refresh(emp, LockModeType.PESSIMISTIC_WRITE);

            if (status != emp.getStatus()) {
                accruedBananas = calculateAccrual(emp.getStatus());
            }
            if (accruedBananas > 0) {
                emp.setAccruedBananas(emp.getAccruedBananas() + accruedBananas);
            }
        }
    }
}
```