## IOC-Container[ApplicationContext]

Courier courier

Flipkart

dtdc

bDart

fFlight

Courier (I)

implements        implements

implements

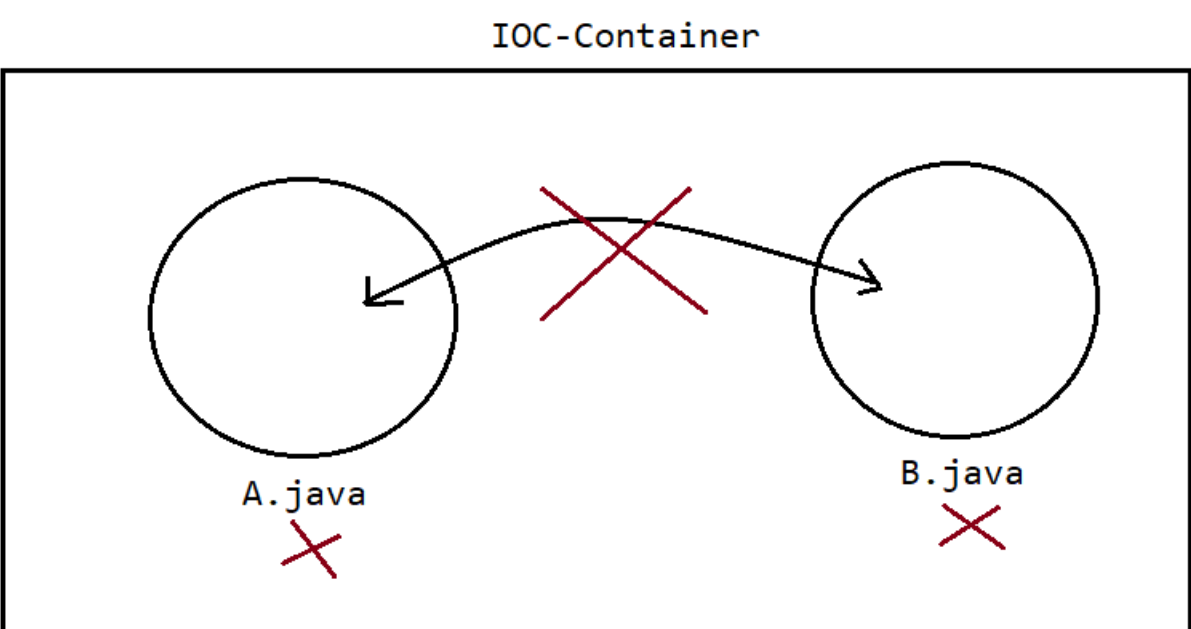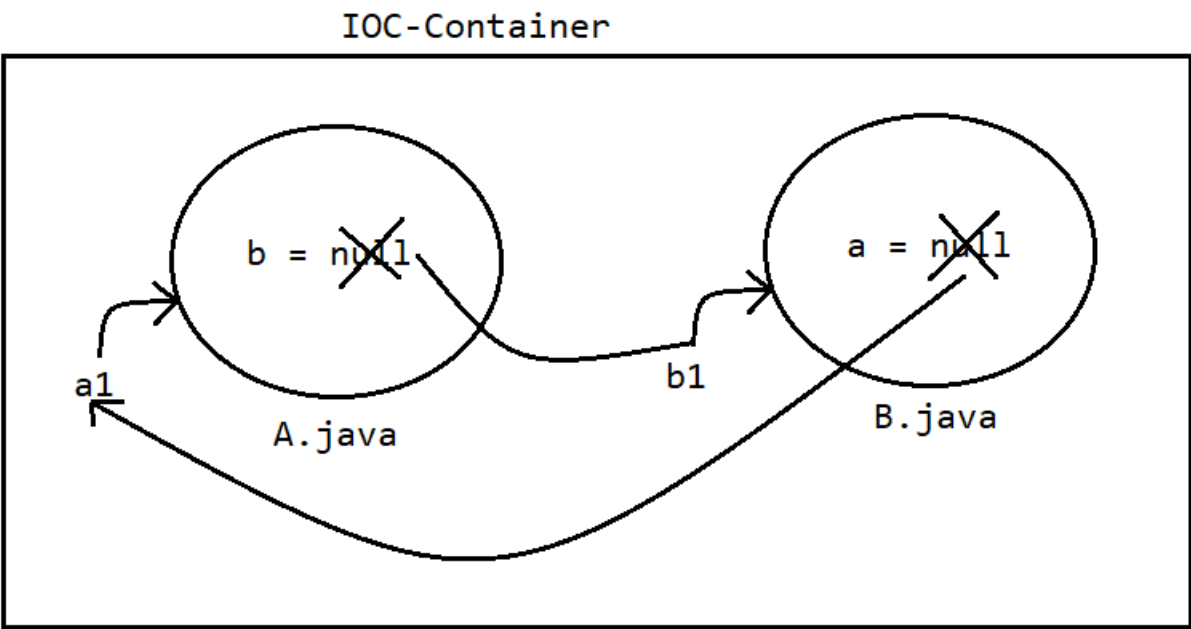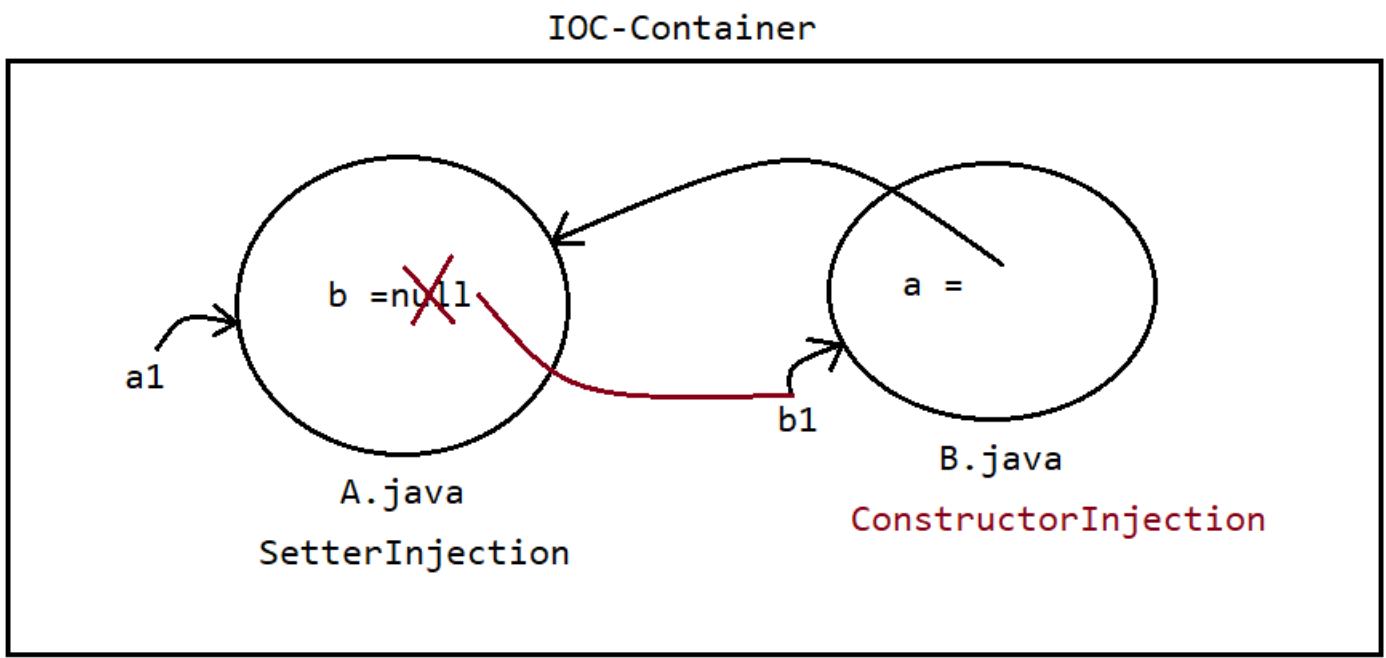DTDC(C)    FirstFlight(C)    BlueDart(C)

RealTime-DI-Approach
  JRE System Library [jdk1.8.0_202]
  src
    in.ineuron.cfg
      applicationContext.xml
    in.ineuron.comp
      BlueDart.java
      Courier.java
      DTDC.java
      FirstFlight.java
      Flipkart.java
    in.ineuron.test
      TestApp.java
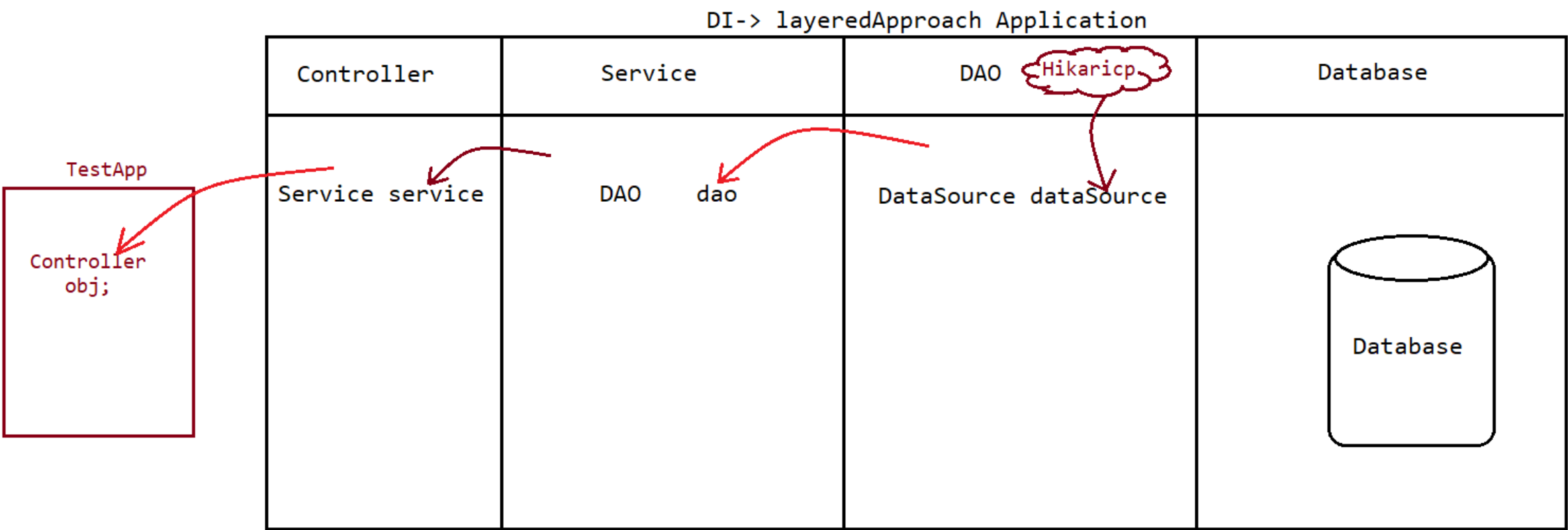      TestAppUsingApplicationContextG
  Springlib

## IOC-Container

b = null    a = null

a1    b1

A.java    B.java

Cyclic Dependancy is possible in Setter injection

## IOC-Container

A.java    B.java

Cyclic Dependancy is not possible in "Constructor Injection"

## IOC-Container

b = null    a =

a1    b1

A.java    B.java

SetterInjection    ConstructorInjection

Cyclic Dependancy is possible if one is constructor and the other one is
Setter Injection

CircularDependancyInjectionApp-05
  JRE System Library [jdk1.8.0_202]
  src
    in.ineuron.cfg
      applicationContext.xml
    in.ineuron.comp
      A.java
      B.java
    in.ineuron.test
      TestApp.java
  Springlib

## DI-> layeredApproach Application

| Controller | Service | DAO | Database |
|---|---|---|---|
| | | Hikaricp | |
| Service service | DAO    dao | DataSource dataSource | |
| | | | Database |

TestApp

Controller
obj;

Constructor Injection
  a.   Hikaricp ---> DataSource(DAO)
  b.   DAO      ---> Service
  c.   Service ---> Controller
  d.   Test    ---> Get the Controller object