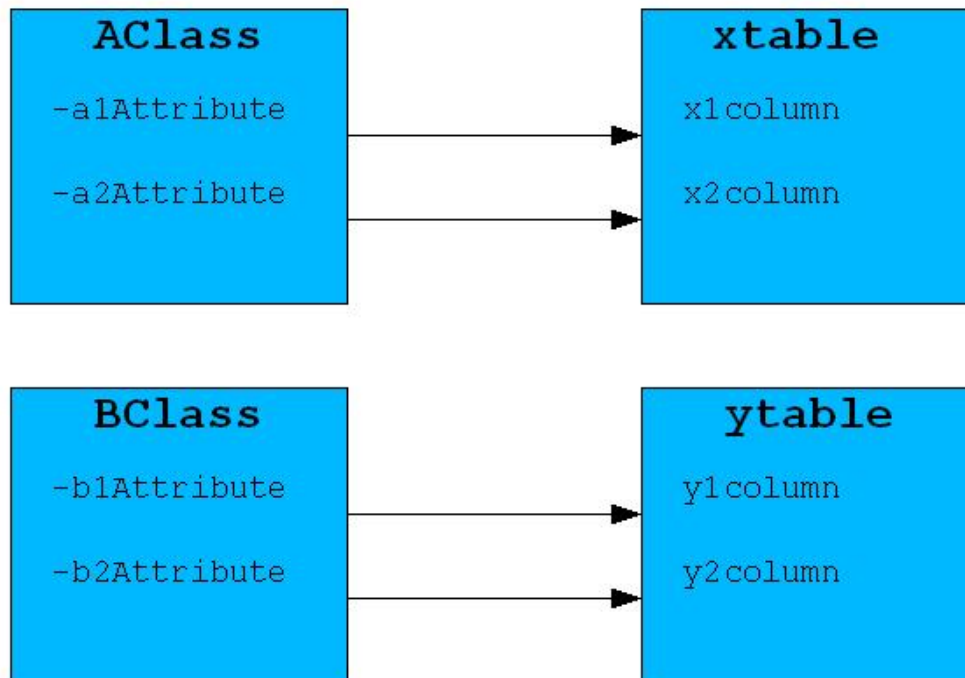


# MappingMetadata

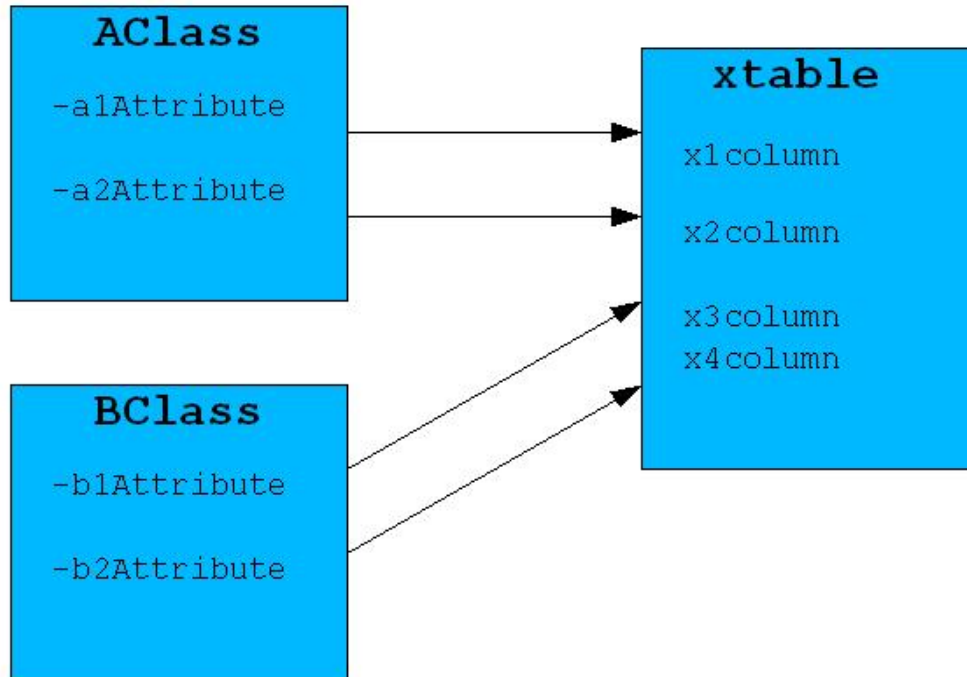
Simple Mapping

## Simple mapping (section 15.1)



```
<class name="Aclass" table="xtable">
  <field name="a1Attribute" column="x1column"/>
  <field name="a2Attribute" column="x2column"/>
</class>
<class name="Bclass" table="ytable">
  <field name="b1Attribute" column="y1column"/>
  <field name="b2Attribute" column="y2column"/>
</class>
```

## Simple Mapping?

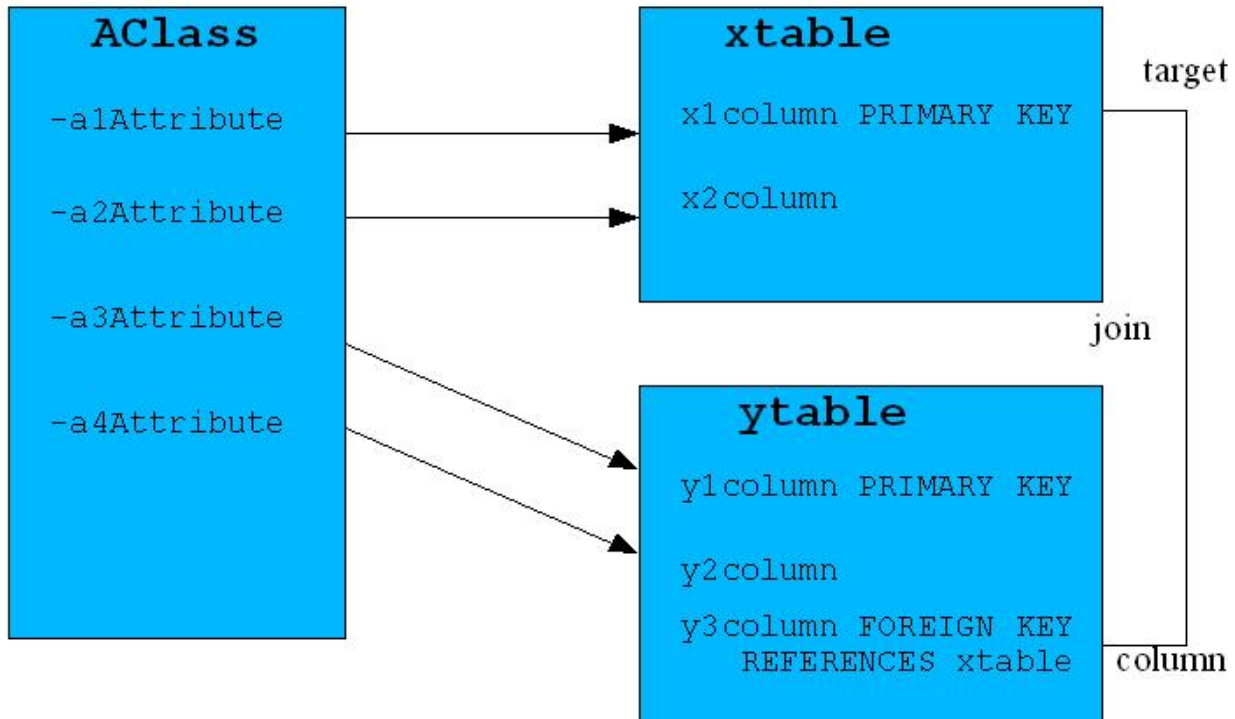


```
<class name="Aclass" table="xtable">
  <field name="a1Attribute" column="x1column"/>
  <field name="a2Attribute" column="x2column"/>
</class>
<class name="Bclass" table="xtable">
  <field name="b1Attribute" column="x3column"/>
  <field name="b2Attribute" column="x4column"/>
</class>
```

None of the attributes in Aclass or Bclass is a reference to the other class. Is this a possible case and is this the correct metadata for it?

## Join

### Join (section 15.2, example 2)

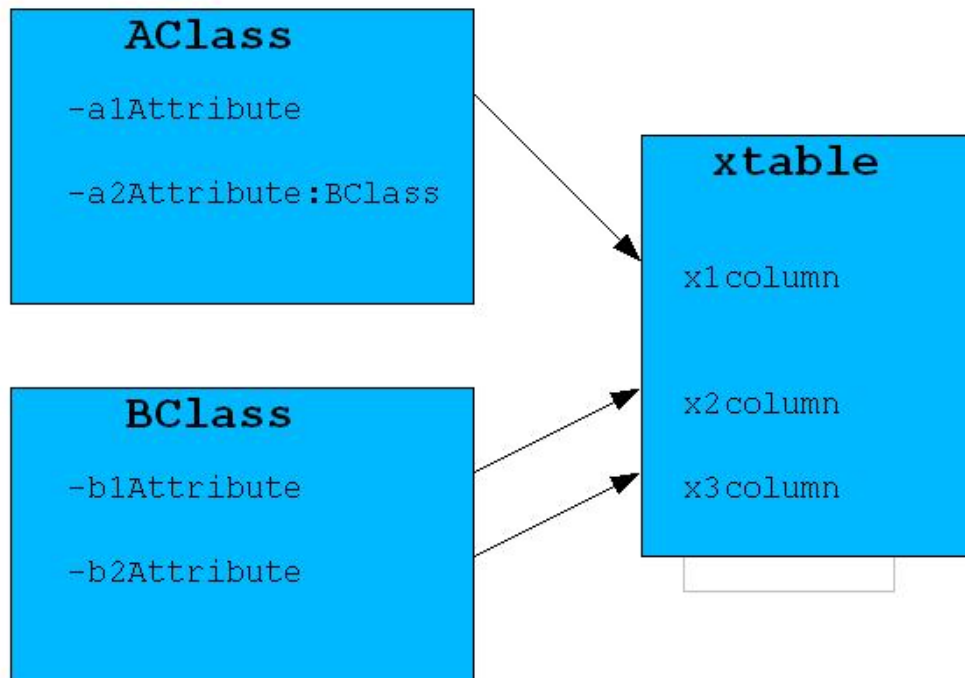


```
<class name="AClass" table="xtable">  
  <join table="ytable" column="y3column">  
    <field name="a1Attribute" column="x1column"/>  
    <field name="a2Attribute" column="x2column"/>  
    <field name="a3Attribute" table="ytable"  
      column="y1column"/>  
    <field name="a4Attribute" table="ytable"  
      column="y2column"/>  
</class>
```

**When persisting AClass, does JDO store y1column?**

Embedding

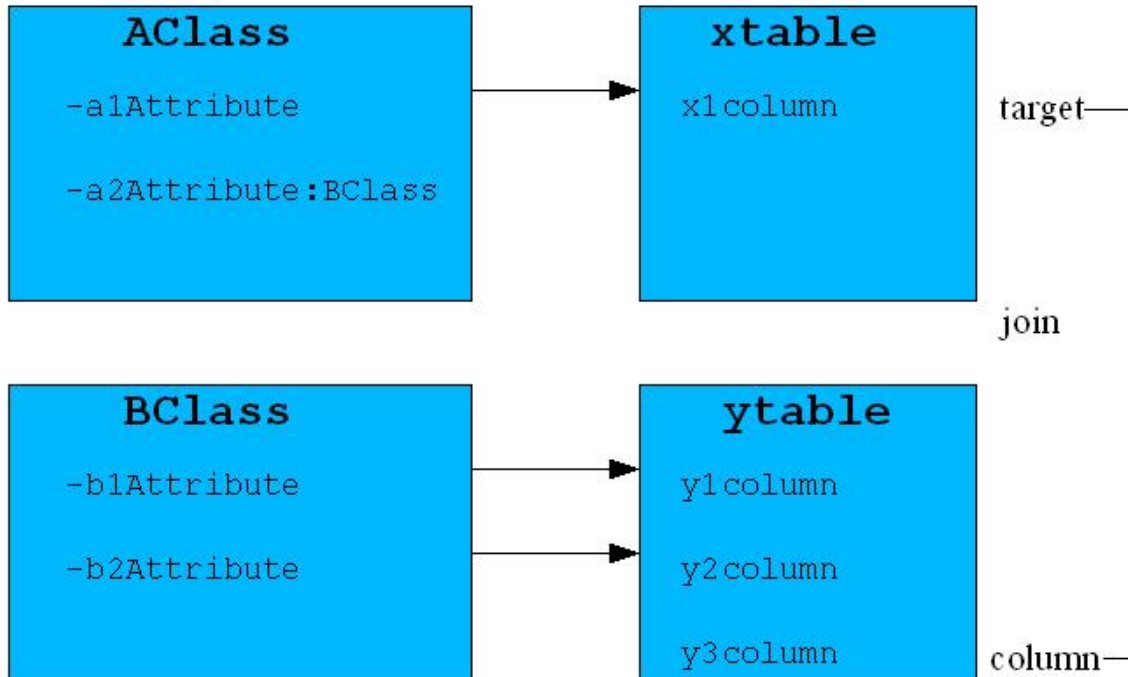
## Embedding (section 15.4)



```
<class name="AClass" table="xtable">
  <field name="a1Attribute" column="x1column"/>
  <field name="a2Attribute"/>
  <embedded>
    <field name="b1Attribute" column="x2column"/>
    <field name="b2Attribute" column="x3column"/>
  </embedded>
</class>
```

Here, BClass is never explicitly mapped. It is not a persistent class; its instances are second class objects.

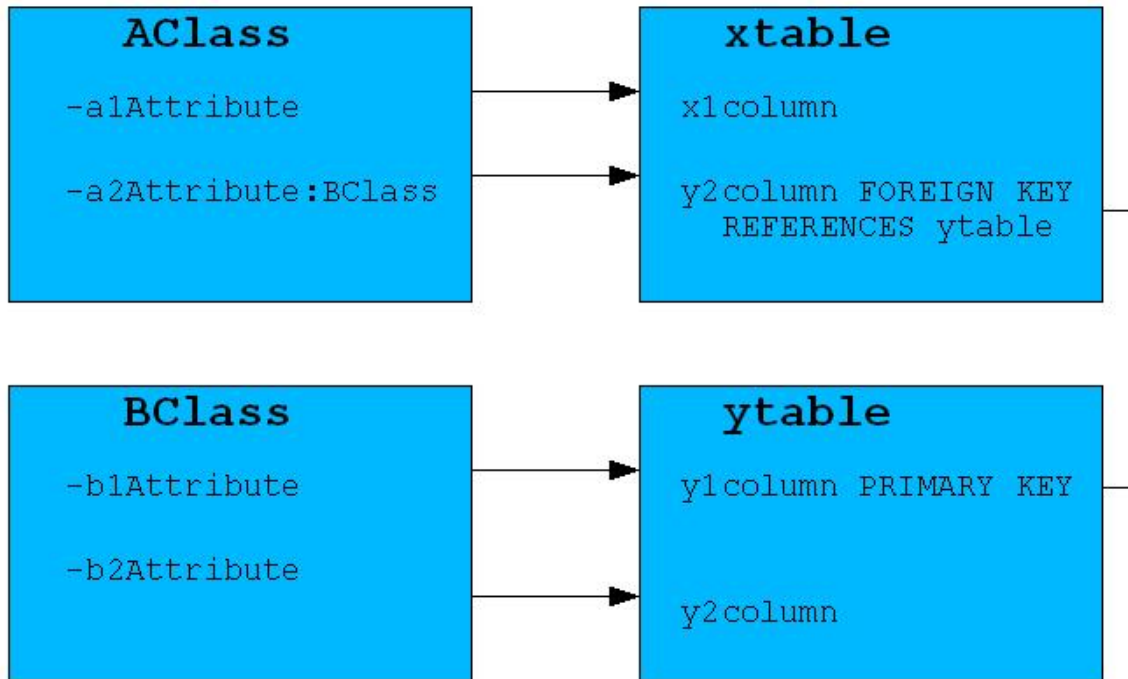
## Embedding? (section 15.4)



```
<class name="AClass" table="xtable">
  <join table="ytable" column="y3column"/>
  <field name="a1Attribute" column="x1column"/>
  <field name="a2Attribute"/>
  <embedded>
    <field name="b1Attribute" table="ytable"
      column="y1column"/>
    <field name="b2Attribute" table="ytable"
      column="y2column"/>
  </embedded>
</class>
```

Does this violate any JDO constraints?

## Relationships: Many-to-one (section 15.3, example 4)



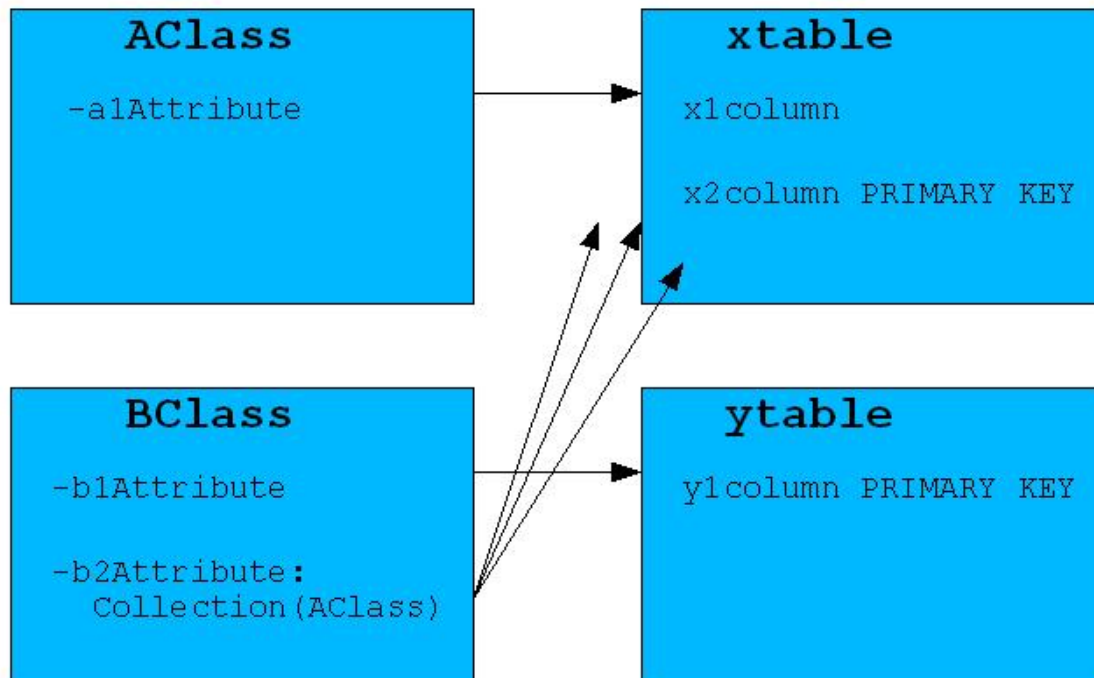
```
<class name="AClass" table="xtable">
  <field name="a1Attribute" column="x1column"/>
  <field name="a2Attribute" column="x2column"/>
</class>
<class name="BClass" table="ytable">
  <field name="b1Attribute" column="y1column"/>
  <field name="b2Attribute" column="y2column"/>
</class>
```

Reference type maps to foreign key column  
referencing primary table of referenced class.



Relationships: Many-to-One

## Relationships: One-to-many (section 15.3, example 5)



```
<class name="AClass" table="xtable">
  <field name="a1Attribute" column="x1column"/>
</class>
<class name="BClass" table="ytable">
  <field name="b1Attribute" column="y1column"/>
  <field name="b2Attribute" column="x2column"/>
</class>
```

Collection of a reference type maps to a primary key column of primary table of referenced type.