The FROM Clause

Ami Levin
SQL DEVELOPER

@ami_levin www.amilevin.com

The FROM Clause

The FROM clause

Selecting from a single source set

Selecting from multiple sources sets

Our Demo Database

Customers

Customer	Country
Jack	USA
Kelly	USA
Sunil	India
Chen	China
Bob	NULL

Items

Item	Color
Headphones	White
MP3 Player	Black
Audio Cable	Blue
Amplifier	Black
Turntable	White

Orders

OrderID	Customer	OrderDate
1	Jack	1/1/2019
2	Bob	1/1/2019
3	Jack	1/15/2019
4	Chen	1/16/2019

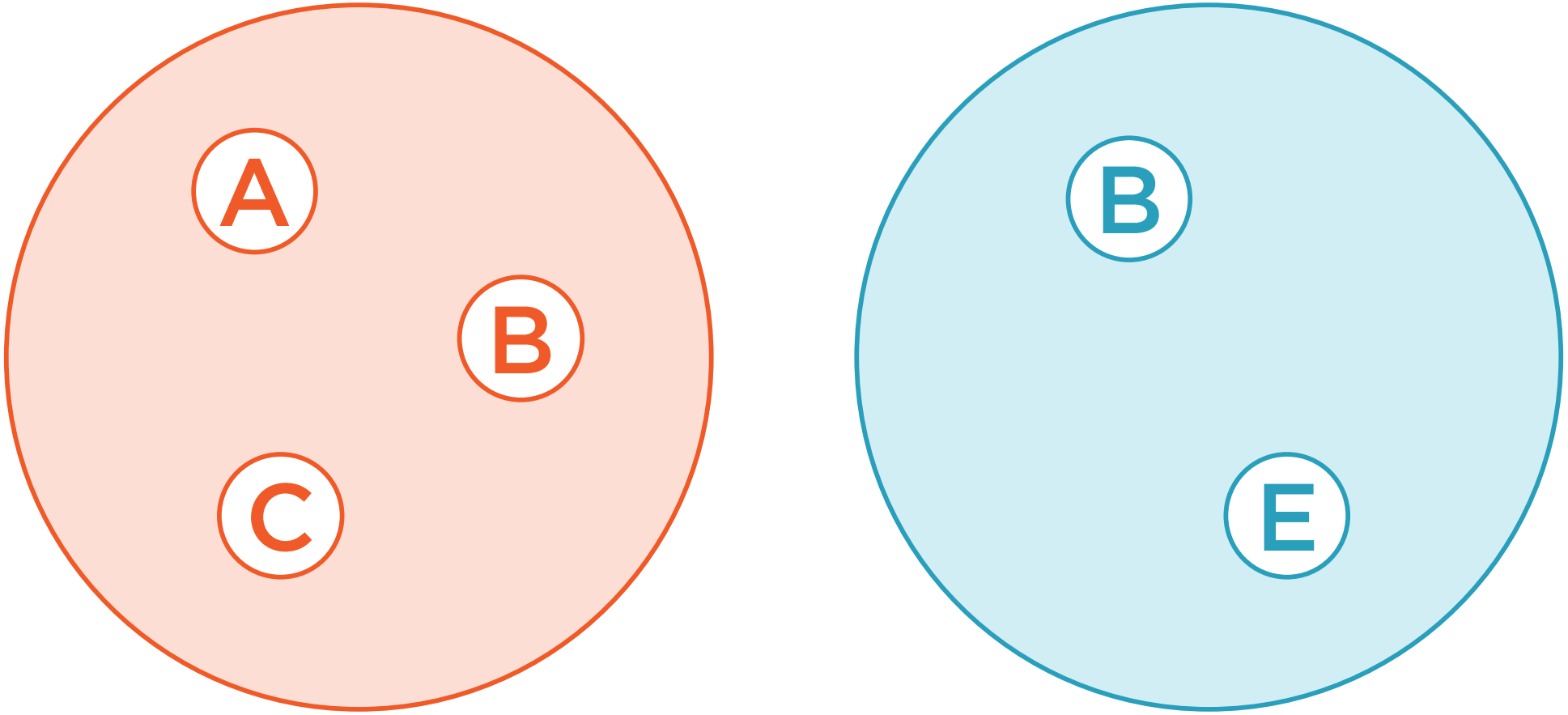
Order Items

OrderID	Item	Qty	Price
1	MP3 Player	1	27.00
1	Headphones	1	35.50
2	Turntable	1	170.00
3	Amplifier	1	148.00
3	Audio Cable	3	12.50
4	Amplifier	1	133.50
4	Audio Cable	2	11.00
4	Turntable	2	155.50

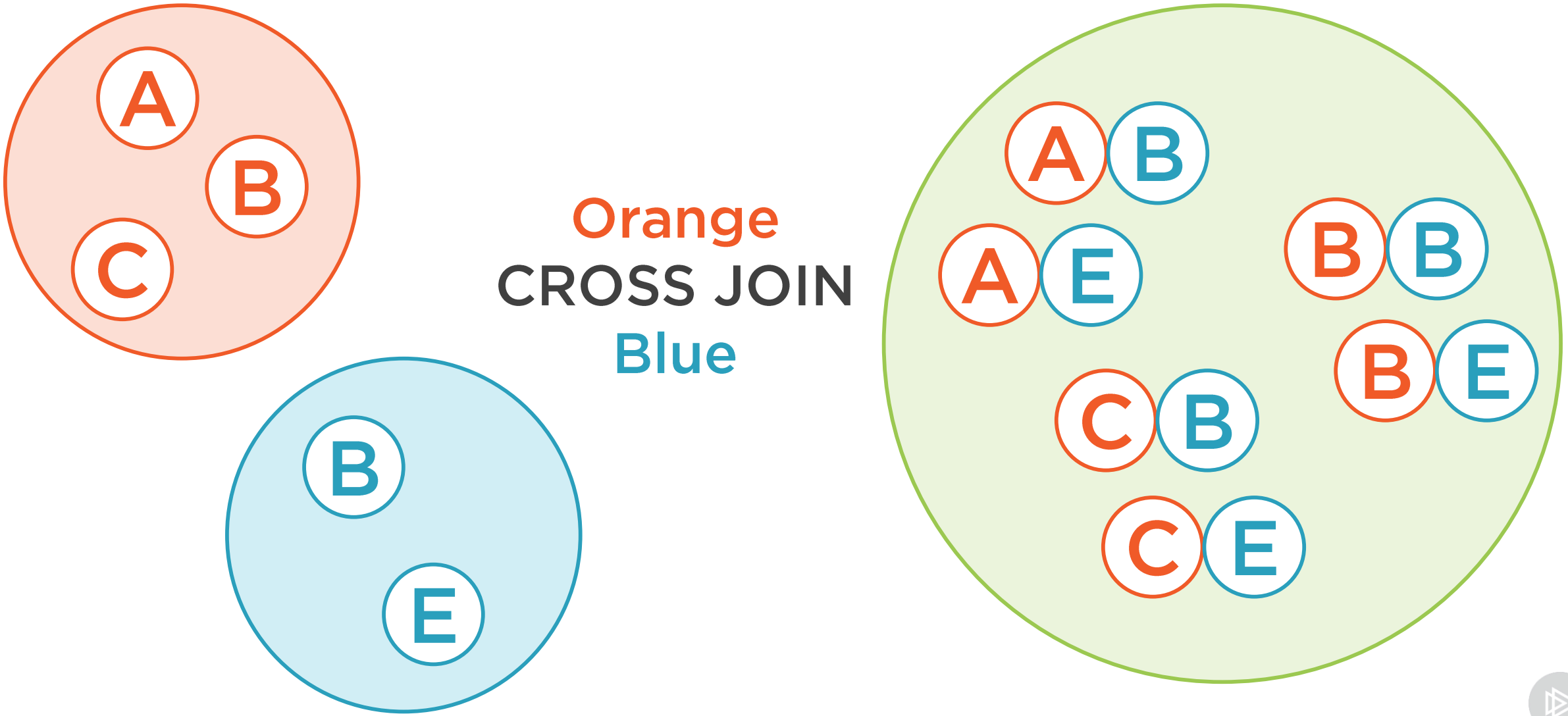
Demo

The FROM clause

Multiple Data Sources



Step 1 – Cartesian Product

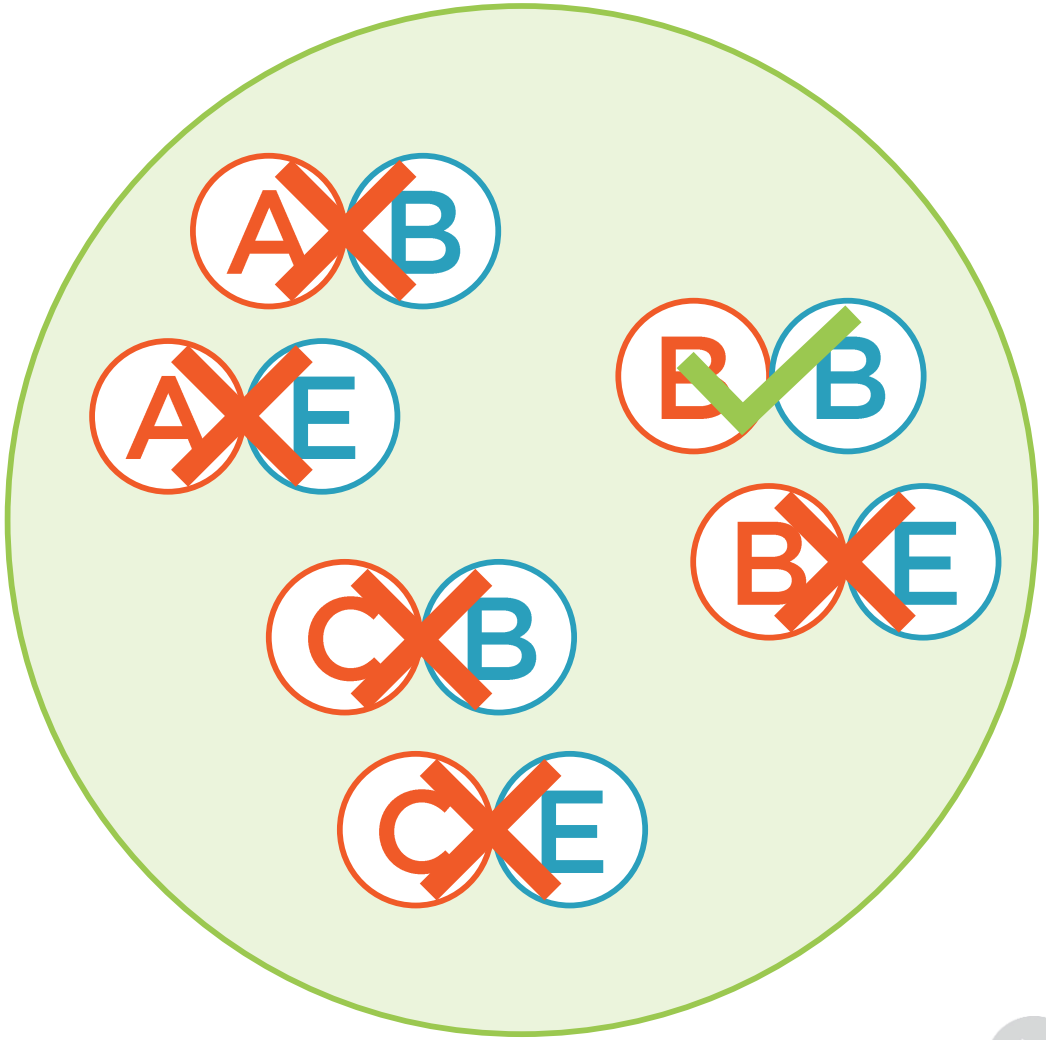


Step 2 – Matching Rows

Orange INNER JOIN Blue

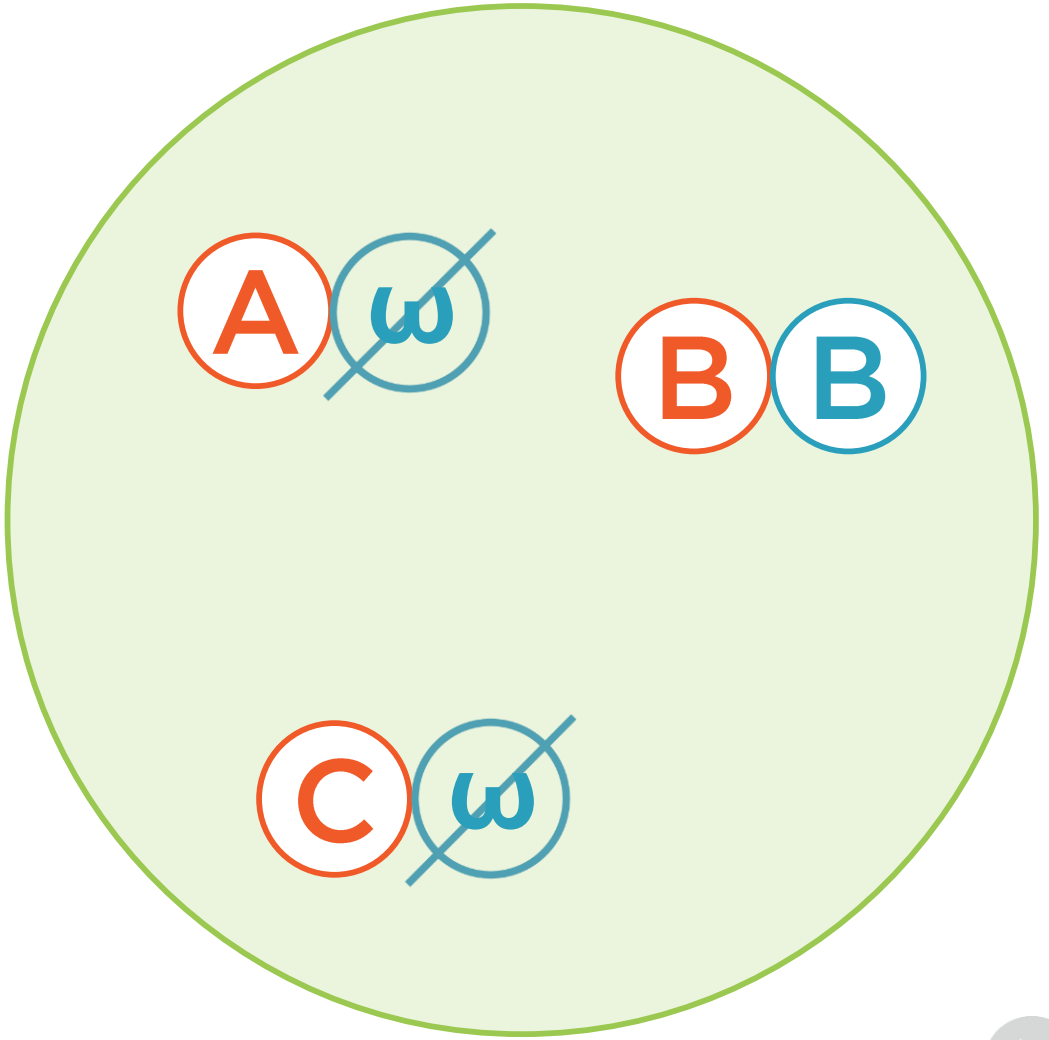
ON

Orange.Character = Blue.Character



Step 3 – Adding Reserved Rows

```
Orange LEFT OUTER JOIN Blue
ON
Orange.Character = Blue.Character
```



Demo

JOIN Fundamentals

Review

The FROM clause

Selecting from a single source set

Selecting from multiple sources sets