

Slide 1: Cartesian (Cross) Joins

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Sadie St. Lawrence, MSA
Data Scientist, VSP

UC DAVIS
EXTENSION

Slide 2: Learning Objectives

Learning Objectives

Define Cartesian (or Cross) joins

Describe some specific cases where Cartesian joins are useful

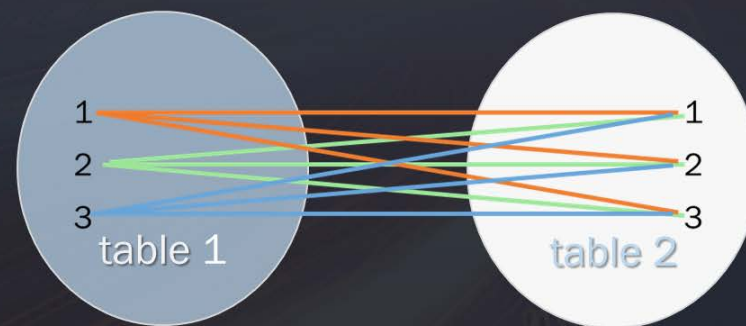
Write the appropriate SQL syntax to establish a Cartesian join

Slide 3: What Is a Cartesian (Cross) Join

What Is a Cartesian (Cross) Join?

CROSS JOINS: each row from the first table joins with all the rows of another table

Cartesian Cross Join



Slide 4: Cartesian (Cross) Join Example

Cartesian (Cross) Join Example

```
SELECT vendor_name  
,product_name  
,product_price  
FROM Vendors, Products  
WHERE Vendors.vendor_id = Products.vendor_id;
```

Table 1
vendor_name

Table 2
product_name
product_price

Output will be the number of joins in the 1st table multiplied by the number of rows in the 2nd table

Slide 5: Cartesian (Cross) Joins

Cartesian (Cross) Joins

Not frequently used

Computationally taxing

Will return products with the incorrect vendor or no vendor at all