Grouping Rows

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Grouping Rows

Why grouping?

Grouping fundamentals

The GROUP BY clause

The HAVING filter

Grouping

GROUP BY Country

Customer	Country	Group
Jack	USA	1
Kelly		
Sunil	India	2
Chen	China	3
Bob	NULL	4

Aggregate functions operate
on a set of elements,
and return a single value.

Common Aggregate Functions

Minimum

Maximum

Average

Count

Standard deviation

Variance

Demo

GROUP BY and aggregate functions

The HAVING Group Filter

WHERE Country = USA HAVING COUNT(*) > 1

Customer	Country	COUNT(*)
Jack Kelly	USA	2

Demo

HAVING filter

Not all relational database management systems respect logical grouping rules!

Review

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