

Exercise

Partitioning and normalization

In the video, you saw the differences between the two types of partitioning: **vertical** and **horizontal** partitioning. As you'd expect, the names suggest how these different strategies work.

It might be a bit challenging to distinguish **normalization**, which you saw in previous chapters, from **partitioning**.

Instructions

100XP

Can you classify the characteristics in the correct bucket?

Take Hint (-30 XP)

Drag the items into the correct bucket

Drop items here

Normalization

Changes the logical data model

Reduce redundancy in table

Vertical Partitioning

Move specific columns to slower medium

(Example) Move the third and fourth column to separate table

Horizontal Partitioning

Sharding is an extension on this, using multiple machines

(Example) Use the timestamp to move rows from Q4 in a specific table



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