

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 ✓