

Chapter 4 Data Normalisation - Performin' Pups Further Issues Ex 4

The Puppy table contains a column called puppy_quality which can be set to "Show" or "Pet". The table also contains date_of_last_show, finishing_place, defect, child_friendly columns. For a particular dog if the puppy_quality is set to "Show" then the date_of_last_show and finishing_place columns will probably have some data in but the defect and child_friendly columns will always contain NULLS. The flip of this is also true, if the puppy_quality is set to "Pet" then the date_of_last_show and finishing_place columns will always contain NULLS but the defect and child_friendly columns will contain some data. This isn't terribly efficient, try to further normalise the tables to remove these inefficiencies.

Hint

The date_of_last_show, finishing_place, defect, child_friendly columns are dependent on both the puppy_number (PK) and the puppy_quality columns. In order to get rid of the nulls you could consider creating two additional tables called Show and Pet and populating the Show table with date_of_last_show and finishing_place columns and populating the Pet table with defect and child_friendly columns. What additional columns would these table need to contain?