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■ Veterinary Clinic Exercise

The owner of a veterinary clinic wants to create a database to store information about all veterinary services performed. After some research, he came up with the following requirements:

- For each admitted animal, its name, breed (if any), and the owner must be stored. Each animal should be given a unique numeric identifier.
- For each owner, their name, address, and phone number should be stored. A unique numeric identifier should also be generated for each one of them.
- An animal might be owner-less. This frequently happens as the clinic rescues abandoned dogs from the streets to treat them and find new owners.
- It should be possible to store information about a specific breed even if no animals of that breed have been treated at the clinic.
- Each appointment always has a responsible physician. All appointments start at a specific date and time and are attended by an animal (and, of course, its owner).
- For each physician, his name, address, and phone number should be stored. A unique numeric identifier should also be generated for each one of them.
- In an appointment, several medical conditions might be detected. Each condition has a common name and a scientific name. No two conditions have the same scientific name.
- It should be possible to store information about the most common conditions for each breed in the database.

[[solution](#)]

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