BD test 1

animals
id_animal VARCHAR2(6) (PK)
species VARCHAR2(50)
name CHAR2(30)
dob DATE
endangered_level NUMBER(2)

responsibilities
id_animal VARCHAR2(6) (FK)
id_caretaker VARCHAR2(6) (FK)

caretaker
id_caretaker VARCHAR2(6) (PK)
fname VARCHAR2(30)
lname VARCHAR2(30)
dob DATE
salary NUMBER(4,2)

animal_locations
id_animal VARCHAR2(6) (FK)
id_location VARCHAR2(6) (FK)

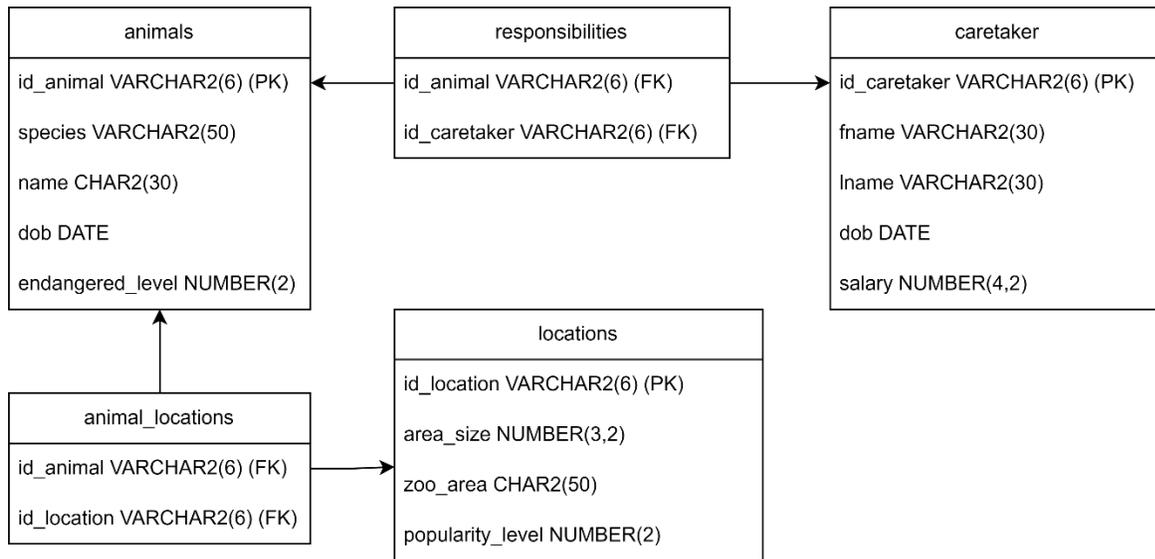| locations |
| --- |
| id_location VARCHAR2(6) (PK) |
| area_size NUMBER(3,2) |
| zoo_area CHAR2(50) |
| popularity_level NUMBER(2) |

The endangered_level field takes the values: 1 (very endangered), 2 (moderately endangered), 3 (least endangered) or NULL (endangerment level not known).

The zoo_area field takes the values: *West*, *South, North, East, North-West, North-East, South-East, South-West, Center.*

The popularity_level field takes values from 1 to 10, 1 meaning *least popular* and 10 meaning *most popular.* The field also accepts NULL values (popularity is unknown).

1. Show the animal names which have associated at least two caretakers and are born in February. Give the alias Animal Name to the column.

2. Show the first and last names of the caretakers born on a Tuesday and the name of the animals they take care of. If they don't take care of any animals, leave a NULL value for the animal field.

3. Print the last names of the pairs of caretakers who work in at least one identical location. Avoid duplicated pairs, for example if Popescu - Ionescu is printed, do not print Ionescu - Popescu.

4. Show the distinct names of the animals, padded to the right with a number of stars equal to the endangerment level, concatenated right after the name. Do not include animals for which the endangerment level is unknown. Order the results descending based on the species name. When building the solution, carefully take into account the type of the used fields.

5. Considering the set of names of the caretakers, eliminate from it the names of the animals, printing the remaining names, all in one column. You are not allowed to use joins for the solution. For example, if Leo and Cleopatra are animals and Andrew, Cleopatra and Anna are caretakers, the final result will be Andrew and Anna, each printed on a separate line.