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)

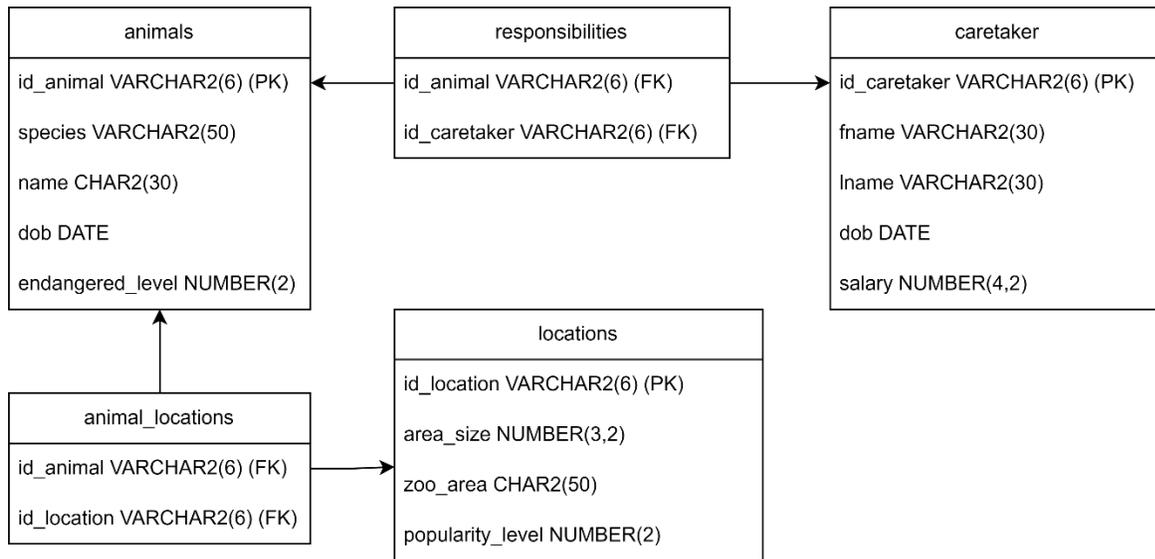| locations |
| --- |
| id_location VARCHAR2(6) (PK) |
| area_size NUMBER(3,2) |
| zoo_area CHAR2(50) |
| popularity_level NUMBER(2) |

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 unique salary values, ordering them descending based on their value. Avoid printing a null value for the salary in cases in which it is unknown. Give the column the following alias: *Known Unique Salary.*

2. Show the names of the animals which are being taken care of ONLY by caretakers with a salary of at least 9000. This means all humans taking care of them earn at least 9000.

3. Show the pairs of location ids, such that at least one identical caretaker works in both of them. Avoid duplicated pairs, for example if x - y is printed, do not print y - x.

4. For employees born on 8th or 9th (as a day of month), print their first and last names, modified as follows: the first three letters from the first and last names are swapped. It is guaranteed that the first and last names have at least 4 letters. For example, *Popescu Anca*, will be converted to *Ancescu Popa*.

5. Show the area size of each location and the names of the animals who live there. Include also the locations which don't have allocated any animals.