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-- 1
CREATE OR REPLACE FUNCTION calc_lettre_lof(annee_naissance INT) RETURNS
CHAR AS $$
DECLARE
    lettre CHAR;
BEGIN
    lettre := SUBSTRING(REPEAT('abcdefghijklmnoprstuv', 2),
annee_naissance - 1985 + 1, 1);
    RETURN lettre;
END;
$$ LANGUAGE plpgsql;

-- 2
CREATE OR REPLACE VIEW nac AS
    SELECT *
    FROM animal
    WHERE type = 'NAC';

CREATE OR REPLACE VIEW chien AS
    SELECT *, calc_categorie(race, lof) AS categorie
    FROM animal
    WHERE type = 'chien';

CREATE OR REPLACE VIEW chat AS
    SELECT *
    FROM animal
    WHERE type = 'chat';

-- 3
INSERT INTO animal (id, nom, type, proprietaire_id,
autres_informations)
    VALUES (DEFAULT, 'Nom_NAC', 'NAC', 1, 'Informations
complémentaires');

-- 4
DELETE FROM animal
WHERE id = <idNational> AND type = 'chat';

-- 5
CREATE OR REPLACE VIEW proprio_et_ses_animaux AS
    SELECT p.id AS proprietaire_id, p.nom AS proprietaire_nom, p.prenom
AS proprietaire_prenom, a.nom AS animal_nom, a.type AS animal_type
    FROM proprietaire p JOIN animal a ON p.id = a.proprietaire_id;

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-- 6
CREATE OR REPLACE VIEW proprio_chats_de_même_race AS
    SELECT DISTINCT p1.id AS propriétaire_id, p1.nom AS
propriétaire_nom, p1.prenom AS propriétaire_prenom, a1.race AS
chat_race
    FROM propriétaire p1
    JOIN animal a1 ON p1.id = a1.propriétaire_id AND a1.type = 'chat'
    JOIN animal a2 ON a1.race = a2.race AND a1.propriétaire_id <>
a2.propriétaire_id
    JOIN propriétaire p2 ON a2.propriétaire_id = p2.id;
```