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CS 360

9/26/2023

Assignment #1

1)

SELECT Pets.PetID, Pets.Name, Pets.TypeofPet

FROM Pets

INNER JOIN Owns ON Pets.PetID = Owns.PetID

INNER JOIN Owners ON Owns.OID = Owners.OID

WHERE Owners.AnnualIncome = 0

AND Owners.Age < 18

AND Pets.City = 'Moscow'

AND Pets.State = 'Idaho';

2)

SELECT Owners.OID, Owners.LastName, Pets.PetID, Pets.Name

FROM Pets

INNER JOIN Owns ON Pets.PetID = Owns.PetID

INNER JOIN Owners ON Owns.OID = Owners.OID

WHERE "Pets.`Street#`" != "Owners.`Street#`" OR Pets.City != Owners.City OR Pets.State != Owners.State OR Pets.ZipCode != Owners.ZipCode;

3)

SELECT Pets.PetID, Pets.Name

FROM Pets

JOIN Purchases ON Pets.PetID = Purchases.PetID

JOIN Foods ON Purchases.FoodID = Foods.FoodID

WHERE Pets.PetID NOT IN

(SELECT Likes.PetID

FROM Likes

WHERE Likes.TypeofFood = Foods.TypeofFood);

4)

SELECT Pets.PetID, Pets.Name AS "Pets.Name", Foods.FoodID, Foods.Name AS "Foods.Name", Foods.Brand

FROM Pets

INNER JOIN Owns ON Pets.PetID = Owns.PetID

INNER JOIN Purchases ON Owns.OID = Purchases.OID

INNER JOIN Foods ON Purchases.FoodID = Foods.FoodID;

5)

SELECT f1.FoodID, f1.Brand, f1.Price

FROM Foods f1

LEFT JOIN Foods f2 ON f1.Brand = f2.Brand AND f1.Price < f2.Price

WHERE f2.FoodID IS NULL;