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CS 360

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Assignment #2 Work

1) GOOD

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'

ORDER BY Pets.Name ASC, Pets.TypeofPet DESC;

2) GOOD

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

FROM Pets

INNER JOIN Owns ON Owns.PetID = Pets.PetID

INNER JOIN Owners ON Owners.OID = Owns.OID

INNER JOIN Purchases ON Purchases.OID = Owners.OID

WHERE Purchases.FoodID IN (

SELECT f1.FoodID

FROM Foods f1

LEFT JOIN Foods f2

ON f1.TypeofFood = f2.TypeofFood

AND f1.Price < f2.Price

WHERE f2.FoodID IS NULL

);

3) CHECK

SELECT p1.PetID, p1.Name

FROM Pets p1, Pets p2

WHERE p1.Name = p2.Name

GROUP BY p1.PetID, p1.Name

HAVING COUNT(DISTINCT p2.State) = 50;

SELECT p1.PetID, p1.Name

From Pets p1

INNER JOIN Pets p2 ON p1.Name = p2.Name

AND p1.State != p2.State;

SELECT p.PetID, p.name

FROM Pets p, Pets r

WHERE p.name = r.name

GROUP BY name

HAVING COUNT (DISTINCT r.State) = 50;

SELECT p.PetID, p.Name

FROM Pets p

WHERE (

SELECT COUNT(DISTINCT p2.State)

FROM Pets p2

WHERE p2.Name = p.Name

) >= 50;

SELECT p1.Name, p1.PetID, COUNT(p2.PetID) AS SameNameCount, p1.State

FROM Pets p1

INNER JOIN Pets p2 ON p1.Name = p2.Name

GROUP BY p1.Name, p1.PetID, p1.State;

SELECT PetID, Name

FROM (

SELECT p1.Name, p1.PetID, COUNT(p2.PetID) AS SameNameCount, p1.State

FROM Pets p1

INNER JOIN Pets p2 ON p1.Name = p2.Name

GROUP BY p1.Name, p1.PetID, p1.State

)

WHERE SameNameCount >= 50;

4) I THINK GOOD

SELECT f1.Brand

FROM Foods f1

LEFT JOIN Foods f2 ON f1.TypeofFood = f2.TypeofFood

AND f1.Price < f2.Price

WHERE f2.FoodID IS NULL;

5) GOOD

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;

Work Space

2)

| **brand** |
| --- |
| Blue Wilderness |
| WholeHearted |