CS360

Assignment 2

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1.

Create View Minors as

Select OID, Age, AnnualIncome, City, State

From Owners

Where Age < 18 and AnnualIncome = 0;

Create View PetsIdaho as

Select PetID, Name, TypeofPet, City, State, OID

From Pets natural join Owns

Where City = "Moscow" and State = "Idaho";

Select P.PetID, P.Name, P.TypeofPet

From PetsIdaho P left outer join Minors M on P.OID = M.OID

Where M.OID is not null;

2.

Create View AwayOwners as

Select OID, LastName, Street#, City, ZipCode, State

From Owners;

Create View AwayPets as

Select PetID, Name, Street#, City, ZipCode, State, OID

From Pets natural join Owns;

Select OID, LastName, PetID, Name

From AwayPets left outer join AwayOwners on AwayPets.OID = AwayOwners.OID

Where Not Exists (

Select \*

From AwayPets left outer join AwayOwners

Where

P.Street# = O.Street# and

P.City = O.City and

P.ZipCode = O.ZipCode and

P.State = O.State

);

3.

Create View LikedFoods as

Select PetID, TypeofFood, FoodID

From Foods natural join Likes;

Create View LikedPets as

Select PetID, Name, FoodID

From Pets natural join Purchases;

Select PetID, Name

From LikedFoods left outer join LikedPets

Where Not Exists (

Select \*

From LikedFoods left outer join LikedPets on LikedFoods.PetID = LikedPets.PetID

);

4.

Create View PurchasedFoods as

Select FoodID, Foods.Name, Brand, PetID

From Foods natural join Purchases;

Create View PetFoods as

Select PetID, Pets.Name, FoodID

From Pets natural join Purchases;

Select PetID, Pets.Name, FoodID, Foods.Name, Brand

From PurchasedFoods left outer join PetFoods on PurchasedFoods.FoodID = PetFoods.FoodID;

5.

Create View FoodInfo as

Select FoodID, Brand, Price

From Foods;

With MaxPrice as (

Select F1.FoodID, F1.Brand, F1.Price

From FoodInfo as F1 left outer join FoodInfo as F2 on F1.Brand = F2.brand and F1.price < F2.price

Where F2.FoodID is null

)

Select \*

From MaxPrice