

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