

Problem Statement 8 - Property Management (MySQL)

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-- Step 1: Create Database
CREATE DATABASE property8;
USE property8;

-- Step 2: Create Tables
CREATE TABLE Owners(
    OwnerNo INT PRIMARY KEY,
    OwnerName VARCHAR(30),
    Phno VARCHAR(15)
);

CREATE TABLE Properties(
    Pno INT PRIMARY KEY,
    Type VARCHAR(20),
    Sq_Ft_Area INT,
    Rent INT,
    Address VARCHAR(50),
    Status VARCHAR(20),
    OwnerNo INT,
    FOREIGN KEY(OwnerNo) REFERENCES Owners(OwnerNo)
);

-- Step 3: Insert Sample Data
INSERT INTO Owners VALUES
(1,'Gopal','9876543210'),
(2,'Reena','9850432111'),
(3,'Suyash','9090909090'),
(4,'Meera','9944556677');

INSERT INTO Properties VALUES
(201,'1 BHK',550,14000,'Kothrud','Not Rented',1),
(202,'2 BHK',850,18000,'Akurdi','Rented',1),
(203,'3 BHK',1200,26000,'Kothrud','Rented',2),
(204,'1 BHK',600,17000,'Nigdi','Not Rented',3),
(205,'2 BHK',950,21000,'Kothrud','Not Rented',4),
(206,'1 BHK',500,9000,'Kothrud','Not Rented',2);

-- Step 4: Queries

-- 5) Create View of OwnerName, Pno, Type, Address and Rent
CREATE VIEW Property_Owner_View AS
SELECT Owners.OwnerName, Properties.Pno, Properties.Type, Properties.Address, Properties.Rent
FROM Properties
JOIN Owners ON Properties.OwnerNo = Owners.OwnerNo;

-- To view the data in the view:
SELECT * FROM Property_Owner_View;

-- 6) Display Owners whose name has 'ee'
SELECT OwnerName
FROM Owners
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WHERE OwnerName LIKE '%ee%';

-- 7) Display Pno, Type, Address, Rent, Status for properties with rent between 15000 and 22000
SELECT Pno, Type, Address, Rent, Status
FROM Properties
WHERE Rent BETWEEN 15000 AND 22000;

-- 8) Display distinct property types registered
SELECT DISTINCT Type
FROM Properties;
```