

## Problem Statement 8 - Property Management (MySQL)

-- 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
```

```
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;
```