

Problem Statement 7 - Property Management Queries (MySQL)

-- Step 1: Create Database

```
CREATE DATABASE property7;  
USE property7;
```

-- 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,'Rahul','9850432111'),  
(3,'Suyash','9090909090');
```

```
INSERT INTO Properties VALUES  
(101,'1 BHK',550,10000,'Kothrud','Not Rented',1),  
(102,'2 BHK',900,18000,'Akurdi','Rented',1),  
(103,'1 BHK',600,12000,'Kothrud','Rented',2),  
(104,'2 BHK',750,16000,'Kothrud','Not Rented',3),  
(105,'1 BHK',500,9000,'Nigdi','Not Rented',3),  
(106,'3 BHK',1200,25000,'Kothrud','Rented',2);
```

-- Step 4: Queries

-- 1) Display all 1 BHK apartments in Kothrud which are not rented

```
SELECT *  
FROM Properties  
WHERE Type = '1 BHK'  
    AND Address = 'Kothrud'  
    AND Status = 'Not Rented';
```

-- 2) Display all properties owned by "Gopal"

```
SELECT Properties.*  
FROM Properties  
JOIN Owners ON Properties.OwnerNo = Owners.OwnerNo  
WHERE Owners.OwnerName = 'Gopal';
```

-- 3) Display the smallest property (least Sq_Ft_Area) of each owner

```
SELECT OwnerNo, MIN(Sq_Ft_Area) AS Smallest_Property  
FROM Properties  
GROUP BY OwnerNo;
```

```
-- 4) Display all properties in Kothrud in descending order of rent  
SELECT *  
FROM Properties  
WHERE Address = 'Kothrud'  
ORDER BY Rent DESC;
```