

# 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
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```
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;
```