

## LEASE MANAGEMENT

Date	20-06-2025
Team ID	LTVIP2025TMID29567
Project Name	LEASE MANAGEMENT
Maximum Marks	

### CHAPTER -12

#### APPENDIX (APEX CODE)

**Source Code:** Provided in Apex classes and Triggers

**Test.apxt:**

trigger test on Tenant\_\_c (before insert)

```
{
    if (trigger.is Insert && trigger.isBefore){
        testHandler.preventInsert(trigger.new);
    }
}
```

**testHandler.apxc:**

```
public class testHandler {
    public static void preventInsert(List<Tenant__c> newList) {
        Set<Id> existingPropertyIds = new Set<Id>();
        for (Tenant__c existingTenant : [SELECT Id, Property__c FROM Tenant__c WHERE
Property__c != null]) {
            existingPropertyIds.add(existingTenant.Property__c);
        }
        for (Tenant__c newTenant : newList) {
            if (newTenant.Property__c != null &&
existingPropertyIds.contains(newTenant.Property__c)) {
                newTenant.addError('A tenant can have only one property');
            }
        }
    }
}
```

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```
    }  
  }  
}
```

### **MonthlyEmailScheduler:**

global class MonthlyEmailScheduler implements Schedulable {

```
    global void execute(SchedulableContext sc) {
```

```
        Integer currentDay = Date.today().day();
```

```
        if (currentDay == 1) {
```

```
            sendMonthlyEmails();
```

```
        }
```

```
    }
```

```
    public static void sendMonthlyEmails() {
```

```
        List<Tenant__c> tenants = [SELECT Id, Email__c FROM Tenant__c];
```

```
        for (Tenant__c tenant : tenants) {
```

```
            String recipientEmail = tenant.Email__c;
```

```
            String emailContent = 'I trust this email finds you well. I am writing to remind  
you that the monthly rent is due Your timely payment ensures the smooth  
functioning of our rental arrangement and helps maintain a positive living  
environment for all.';
```

```
            String emailSubject = 'Reminder: Monthly Rent Payment Due';
```

```
            Messaging.SingleEmailMessage email = new
```

```
Messaging.SingleEmailMessage();
```

```
            email.setToAddresses(new String[]{recipientEmail});
```

```
            email.setSubject(emailSubject);
```

```
            email.setPlainTextBody(emailContent);
```

```
            Messaging.sendEmail(new Messaging.SingleEmailMessage[]{email});
```

```
        }
```

```
    }
```

```
}
```

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