

Week 10 Assignments

Day 1:

Handle governor limits in your class while inserting more than 150 records

Problem:

Wrong way: (DML inside loop)

```
for (Integer i = 0; i < 200; i++) {  
  
    Account acc = new Account(Name = 'Test Account ' + i);  
  
    insert acc; // This performs 200 DML statements → Limit exceeded!  
  
}
```

Solution Apex Class: week10_1_HandleGovernorLimit.apxc

Day 2:

create a class with future method to send sms alert to customers having pending payment for more than 10 days

Apex Class: week10_2_iBillingSMSHandler

Steps:

Fetches all overdue `iBilling__c` records (where `DueRemainingDays__c > 10`)

Collects all related `Account__c` IDs

Queries all **Contacts** under those Accounts that have phone numbers

Sends SMS (simulated with `System.debug`) to each Contact for that Account.

```
USER_DEBUG [38]DEBUG| Sending SMS to Contact: Rakesh (Phone: 9573704028) for Account: TechCorp — Your payment is pending for more than 10 days!  
USER_DEBUG [38]DEBUG| Sending SMS to Contact: John Doe (Phone: +919876543210) for Account: Test Account B — Your payment is pending for more than 10 days!  
USER_DEBUG [38]DEBUG| Sending SMS to Contact: Jane Smith (Phone: +919123456789) for Account: Test Account B — Your payment is pending for more than 10 days!
```

Day 3

Write a class to deactivate all the potential customers having no activity for the last 6 months.

.3:35:17:468	USER_DEBUG	[18]DEBUG before update
.3:35:17:655	USER_DEBUG	[31]DEBUG after update
.3:35:17:665	USER_DEBUG	[48]DEBUG After Update Trigger Fired
.3:35:17:710	USER_DEBUG	[43]DEBUG Deactivated 4 inactive accounts.

Apex Class: Week10_4_InactiveAccounts.apxc

Day 4:

The class created in previous assignment should run midnight (Time Interval set up to 1year)

Apex Schudler: Week10_4_InactiveAccountSchudler

The screenshot shows the 'Apex Classes' setup page under the 'SETUP' tab. A new job is being configured with the following details:

- Job Name:** Week10_4_MySchudulerFor
- Apex Class:** Week10_4_InactiveAccounts
- Schedule Using:** Schedule Builder (selected)
- Schedule Apex Execution:**
 - Frequency:** Weekly (selected)
 - Recurs every week on:** Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday (all checked)
 - Start:** 11/2/2025 [11/2/2025]
 - End:** 12/31/2026 [11/2/2025]
 - Preferred Start Time:** 12:00 AM

Day 5:

Write test for asynchronous apex class created in previous assignment

Apex Class: Week10_4_InactiveAccounts

Apex Test Class: Week10_4_InactiveAccountsTestCase