

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

Apex Classes

Job Name: Week10_4_MySchudulerFor

Apex Class: Week10_4_InactiveAccountS

Schedule Using: ☒ Schedule Builder ☐ Cron Expression

Schedule Apex Execution

Frequency: ☒ Weekly ☐ Monthly

Recurs every week on:

- ☒ Sunday
- ☒ Monday
- ☒ Tuesday
- ☒ Wednesday
- ☒ Thursday
- ☒ Friday
- ☒ Saturday

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