

Apex Triggers

(1) Get Started with Apex Triggers.

Create an Apex trigger

Create an Apex trigger that sets an account's Shipping Postal Code to match the Billing Postal Code if the Match Billing Address option is selected. Fire the trigger before inserting an account or updating an account.

Pre-Work:

Add a checkbox field to the Account object:

- Field Label: Match Billing Address
- Field Name: Match_Billing_Address

Note: The resulting API Name should be Match_Billing_Address__c.

- Create an Apex trigger:
 - Name: AccountAddressTrigger
 - Object: Account
 - Events: before insert and before update
 - Condition: Match Billing Address is true
 - Operation: set the Shipping Postal Code to match the Billing Postal Code

Steps taken to complete this challenge:

- (1) Added a checkbox field to Account object, whose name is "Match Billing Address".
- (2) Created an Apex trigger on Account Object with a file name as "AccountAddressTrigger".
- (3) Code written in AccountAddressTrigger.apxt file:

```
trigger AccountAddressTrigger on Account (before insert, before update) {  
    for(Account a: Trigger.New){  
        if(a.Match_Billing_Address__c == true && a.BillingPostalCode!= null){  
            a.ShippingPostalCode=a.BillingPostalCode;  
        }  
    }  
}
```

- (4) Firstly, click on App Launcher and then search for "Sales" and then clicked on Accounts Tab and click on any of the recently viewed account, then clicked on Details Tab and select the Checkbox of "Match Billing Address".

(2) Bulk Apex Triggers.

Create a Bulk Apex trigger

Create a bulkified Apex trigger that adds a follow-up task to an opportunity if its stage is Closed Won. Fire the Apex trigger after inserting or updating an opportunity.

- Create an Apex trigger:
 - Name: **ClosedOpportunityTrigger**
 - Object: **Opportunity**
 - Events: after insert and after update
 - Condition: Stage is **Closed Won**
 - Operation: Create a task:
 - Subject: **Follow Up Test Task**
 - WhatId: the opportunity ID (associates the task with the opportunity)
 - Bulkify the Apex trigger so that it can insert or update 200 or more opportunities

Steps taken to complete this challenge:

(1) Created an Apex Trigger on Opportunity Object with a file name as “ClosedOpportunityTrigger”.

(2) Code written in ClosedOpportunityTrigger.apxt file:

trigger ClosedOpportunityTrigger on Opportunity (after insert, after update) {

 List<Task> taskList = new List<Task>();

 for(Opportunity opp : [SELECT Id, StageName FROM Opportunity WHERE StageName='Closed Won' AND Id IN : Trigger.New]){

 taskList.add(new Task(Subject='Follow Up Test Task', WhatId = opp.Id));

 }

 if(taskList.size()>0){

 insert tasklist;

 }

}