

Apex Triggers

Get Started with Apex Triggers

```
trigger AccountAddressTrigger on Account (before insert,before update) {
```

```
    List<Account> acclst=new List<Account>();
```

```
    for(account a:trigger.new){
```

```
        if(a.Match_Billing_Address__c==true && a.BillingPostalCode!=null){
```

```
            a.ShippingPostalCode=a.BillingPostalCode;
```

```
        }
```

```
    }
```

```
}
```

2. Bulk Apex Triggers

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

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

```
    for(Opportunity opp : Trigger.new) {
```

```
        //Only create Follow Up Task only once when Opp StageName is to 'Closed Won' on Create
```

```
        if(Trigger.isInsert) {
```

```

if(Opp.StageName == 'Closed Won') {

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

}

}

//Only create Follow Up Task only once when Opp StageName changed to 'Closed Won' on
Update

if(Triigger.isUpdate) {

    if(Opp.StageName == 'Closed Won'

    && Opp.StageName != Triigger.oldMap.get(opp.Id).StageName) {

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

    }

}

}

if(taskList.size()>0) {

    insert taskList;

}

}

```

Apex Testing

1. Get Started with Apex Unit Tests

VerifyDate class :

```
public class VerifyDate {  
  
    //method to handle potential checks against two dates  
  
    public static Date CheckDates(Date date1, Date date2) {  
  
        //if date2 is within the next 30 days of date1, use date2. Otherwise use the end of the month  
  
        if(DateWithin30Days(date1,date2)) {  
  
            return date2;  
  
        } else {  
  
            return SetEndOfMonthDate(date1);  
  
        }  
  
        }  
  
        //method to check if date2 is within the next 30 days of date1  
  
        private static Boolean DateWithin30Days(Date date1, Date date2) {  
  
            //check for date2 being in the past  
  
            if( date2 < date1) { return false; }  
  
            //check that date2 is within (>=) 30 days of date1  
  
            Date date30Days = date1.addDays(30); //create a date 30 days away from date1  
  
            if( date2 >= date30Days ) { return false; }  
  
            else { return true; }  
  
        }  
  
        //method to return the end of the month of a given date
```

```

private static Date SetEndOfMonthDate(Date date1) {

Integer totalDays = Date.daysInMonth(date1.year(), date1.month());

Date lastDay = Date.newInstance(date1.year(), date1.month(), totalDays);

return lastDay;

}

}

```

TestVerifyDate:

```

@isTest public class

TestVerifyDate

{

static testMethod void testMethod1()

{

Date d = VerifyDate.CheckDates(System.today(),System.today()+1);

Date d1 = VerifyDate.CheckDates(System.today(),System.today()+60);  }

}

```

2. Test Apex Triggers

RestrictContactByName :

```
trigger RestrictContactByName on Contact (before insert, before update) {
```

```
//check contacts prior to insert or update for invalid data
```

```
For (Contact c : Trigger.New) {
```

```
if(c.LastName == 'INVALIDNAME') { //invalidname is invalid
```

```
c.AddError('The Last Name "' + c.LastName + '" is not allowed for DML');
```

```
}
```

```
}
```

```
}
```

```
TestRestrictContactByName :
```

```
    @isTest        private    class
```

```
TestRestrictContactByName {
```

```
    static testMethod void metodoTest()
```

```
{
```

```
    List<Contact> listContact= new List<Contact>();
```

```
        Contact    c1    =    new    Contact(FirstName='Francesco',    LastName='Riggio'    ,  
email='Test@test.com');
```

```
    Contact c2 = new Contact(FirstName='Francesco1', LastName =
```

```
'INVALIDNAME',email='Test@test.com');
```

```
        listContact.add(c1);
```

```
listContact.add(c2);
```

```
Test.startTest();
```

```
try
```

```
{
```

```
insert listContact;
```

```
}
```

```
catch(Exception ee)
```

```
{
```

```
}
```

```
Test.stopTest();
```

```
}
```

```
}
```

3.Create Test Data for Apex Tests

```
RandomContactFactory class
```

```
:
```

```
//@isTest public class
```

```
RandomContactFactory {
```

```
public static List<Contact> generateRandomContacts(Integer numContactsToGenerate, String FName) {
```

```
List<Contact> contactList = new List<Contact>();
```

```
for(Integer i=0;i<numContactsToGenerate;i++) {
```

```
    Contact c = new Contact(FirstName=FName + ' ' + i, LastName = 'Contact '+i);
```

```

contactList.add(c);

System.debug(c);

}

//insert contactList;

System.debug(contactList.size());

return contactList;

}

}

```

Asynchronous Apex

1. Use Future Methods

```

public class AccountProcessor {

    @future

    public static void countContacts(List<Id> accountIds){

        List<Account> accounts = [Select Id, Name from Account Where Id IN : accountIds];

        List<Account> updatedAccounts = new List<Account>();

        for(Account account : accounts){

            account.Number_of_Contacts__c = [Select count() from Contact Where AccountId =:
account.Id];

            System.debug('No    Of    Contacts    =    '    +    account.Number_of_Contacts__c);

            updatedAccounts.add(account);

```

```
}
```

```
update updatedAccounts;
```

```
}
```

```
}
```

```
test class///
```

```
    @isTest    public    class
```

```
AccountProcessorTest {
```

```
    @isTest
```

```
public static void testNoOfContacts(){
```

```
Account a = new Account();
```

```
a.Name = 'Test Account';
```

```
Insert a;
```

```
Contact c = new Contact();
```

```
c.FirstName = 'Bob';
```

```
c.LastName = 'Willie';
```

```
c.AccountId = a.Id;
```

```
Contact c2 = new Contact();
```

```
c2.FirstName = 'Tom';
```

```
c2.LastName = 'Cruise';
```

```
c2.AccountId = a.Id;
```



```

List<Id> acctIds = new List<Id>();

acctIds.add(a.Id);

Test.startTest();

AccountProcessor.countContacts(acctIds);

Test.stopTest();

}

}

```

2. Use Batch Apex public class LeadProcessor implements

```

Database.Batchable<sObject> {      public Database.QueryLocator
start(Database.BatchableContext bc) {

    // collect the batches of records or objects to be passed to execute
    return Database.getQueryLocator([Select LeadSource From Lead ]);
}

public void execute(Database.BatchableContext bc, List<Lead> leads){

    // process each batch of records
    for (Lead Lead : leads) {

        lead.LeadSource = 'Dreamforce';

    }

    update leads;

}

```

```
public void finish(Database.BatchableContext bc){  
  
}
```

```
}
```

```
test class//
```

```
@isTest
```

```
public class LeadProcessorTest {
```

```
@testSetup
```

```
static void setup() {
```

```
List<Lead> leads = new List<Lead>();
```

```
for(Integer counter=0 ;counter <200;counter++){
```

```
Lead lead = new Lead();
```

```
lead.FirstName ='FirstName';
```

```
lead.LastName ='LastName'+counter;
```

```
lead.Company ='demo'+counter;
```

```
leads.add(lead);
```

```
}
```

```
insert leads;
```

```
}
```

```
@isTest static void test() {
```

```

Test.startTest();

LeadProcessor leadProcessor = new LeadProcessor();

Id batchId = Database.executeBatch(leadProcessor);

Test.stopTest();

}

}

```

3.Control Processes with Queueable Apex^{public}

class AddPrimaryContact implements Queueable

```

{

private Contact c;

private String state;

public AddPrimaryContact(Contact c, String state)

{

this.c = c;

this.state = state;

}

public void execute(QueueableContext context)

{

List<Account> ListAccount = [SELECT ID, Name ,(Select id,FirstName,LastName from contacts )
FROM ACCOUNT WHERE BillingState = :state LIMIT 200];

```

```

List<Contact> lstContact = new List<Contact>();

for (Account acc:ListAccount)
{
    Contact cont = c.clone(false,false,false,false);
    cont.AccountId = acc.id;
    lstContact.add( cont );
}

if(lstContact.size() >0 )
{
    insert lstContact;
}

}

test class///

```

```

        @isTest    public    class

AddPrimaryContactTest

{

    @isTest static void TestList()

    {

        List<Account> Teste = new List <Account>();

        for(Integer i=0;i<50;i++)

        {

```

```
Teste.add(new Account(BillingState = 'CA', name = 'Test'+i));    }
```

```
for(Integer j=0;j<50;j++)
```

```
{
```

```
Teste.add(new Account(BillingState = 'NY', name = 'Test'+j));
```

```
}
```

```
insert Teste;
```

```
Contact co = new Contact();
```

```
co.FirstName='demo';
```

```
co.LastName = 'demo';
```

```
insert co;
```

```
String state = 'CA';
```

```
AddPrimaryContact apc = new AddPrimaryContact(co, state);
```

```
Test.startTest();
```

```
System.enqueueJob(apc);
```

```
Test.stopTest();
```

```
}}
```

4.Schedule Jobs Using the Apex Scheduler

```
public class DailyLeadProcessor implements Schedulable {
```

```
Public void execute(SchedulableContext SC){
```

```
List<Lead> LeadObj=[SELECT Id from Lead where LeadSource=null limit 200];
```

```
for(Lead l:LeadObj){
```

```
l.LeadSource='Dreamforce';
```

```
update l;
```

```
}
```

```
}
```

```
}
```

```
test class ///
```

```
@isTest private class DailyLeadProcessorTest { static
```

```
testMethod void testDailyLeadProcessor() {
```

```
String CRON_EXP = '0 0 1 * * ?';
```

```
List<Lead> lList = new List<Lead>();
```

```
for (Integer i = 0; i < 200; i++) {
```

```
lList.add(new Lead(LastName='Dreamforce'+i, Company='Test1 Inc.',  
Status='Open - Not Contacted'));
```

```
    } insert
```

```
lList;
```

```
Test.startT
```

```
est();
```

```
String jobId = System.schedule('DailyLeadProcessor', CRON_EXP, new
```

```
DailyLeadProcessor());
```

```
}
```

```
}
```

Apex Integration Services

1.Apex REST CalloutsClass

```
AnimalLocator//
```

```
public class AnimalLocator{
```

```
public static String getAnimalNameById(Integer x){
```

```
Http http = new Http();
```

```
HttpRequest req = new HttpRequest();
```

```
req.setEndpoint('https://th-apex-http-callout.herokuapp.com/animals/' + x);
```

```
req.setMethod('GET');
```

```
Map<String, Object> animal= new Map<String, Object>();
```

```
HttpResponse res = http.send(req);
```

```
if (res.getStatusCode() == 200) {
```

```
Map<String, Object> results = (Map<String, Object>)JSON.deserializeUntyped(res.getBody());
```

```
animal = (Map<String, Object>) results.get('animal');
```

```
}  
  
return (String)animal.get('name');  
  
}  
  
}
```

AnimalLocatorTest//

```
@isTest private class  
AnimalLocatorTest{  
  
    @isTest static void AnimalLocatorMock1() {  
  
        Test.setMock(HttpCalloutMock.class, new AnimalLocatorMock());  
  
        string result = AnimalLocator.getAnimalNameById(3);  
  
        String expectedResult = 'chicken';  
  
        System.assertEquals(result,expectedResult );  
  
    }  
  
}
```

AnimalLocatorMock//

```
@isTest global class AnimalLocatorMock implements  
HttpCalloutMock {
```



```
// Implement this interface method

global HTTPResponse respond(HTTPRequest request) {

    // Create a fake response

    HttpResponse response = new HttpResponse();

    response.setHeader('Content-Type', 'application/json');

    response.setBody('{"animals": ["majestic badger", "fluffy bunny", "scary bear", "chicken",
    "mighty moose"]}');

    response.setStatusCode(200);

    return response;

}

}
```

2.Apex SOAP Callouts

ParkLocator class/////

```
public class ParkLocator {

    public static string[] country(string theCountry) {

        ParkService.ParksImplPort parkSvc = new ParkService.ParksImplPort(); // remove space

        return parkSvc.byCountry(theCountry);

    }

}
```

```
}
```

```
ParkLocatorTest class////////
```

```
@isTest private class
```

```
ParkLocatorTest {
```

```
@isTest static void testCallout() {
```

```
Test.setMock(WebServiceMock.class, new ParkServiceMock ());
```

```
String country = 'United States';
```

```
List<String> result = ParkLocator.country(country);
```

```
List<String> parks = new List<String>{'Yellowstone', 'Mackinac National Park', 'Yosemite'};
```

```
System.assertEquals(parks, result);
```

```
}
```

```
}
```

```
ParkServiceMock class////////
```

```
@isTest global class ParkServiceMock implements
```

```
WebServiceMock {
```

```
global void doInvoke(
```

```

Object stub,

Object request,

Map<String, Object> response,

String endpoint,

String soapAction,

String requestName,

String responseNS,

String responseName,

String responseType) {

// start - specify the response you want to send

ParkService.byCountryResponse response_x = new ParkService.byCountryResponse();

response_x.return_x = new List<String>{'Yellowstone', 'Mackinac National Park', 'Yosemite'};

// end

response.put('response_x', response_x);

}

}

```

4.Apex Web Services

```
AccountManagerTest/////
```

```
@isTest    private    class
```

```

AccountManagerTest {

    private static testMethod void getAccountTest1() {

        Id recordId = createTestRecord();

        // Set up a test request

        RestRequest request = new RestRequest();

        request.requestUri = 'https://na1.salesforce.com/services/apexrest/Accounts/'+ recordId
        +'/contacts' ;

        request.httpMethod = 'GET';

        RestContext.request = request;

        // Call the method to test

        Account thisAccount = AccountManager.getAccount();

        // Verify results

        System.assert(thisAccount != null);

        System.assertEquals('Test record', thisAccount.Name);

    }

    // Helper method

    static Id createTestRecord() {

        // Create test record

        Account TestAcc = new Account(

            Name='Test record');
    }

```

```

insert TestAcc;

Contact TestCon= new Contact(

LastName='Test',

AccountId = TestAcc.id);

return TestAcc.Id;

}

}

AccountManager/////

    @RestResource(urlMapping='/Accounts/*/contacts')

global class AccountManager {

    @HttpGet

    global static Account getAccount() {

        RestRequest req = RestContext.request;

        String accId = req.requestURI.substringBetween('Accounts/', '/contacts');

        Account acc = [SELECT Id, Name, (SELECT Id, Name FROM Contacts)

        FROM Account WHERE Id = :accId];

        return acc;

    }}

```

APEX SPECIALIST SUPERBADGE

Challenge #1

```
MaintenanceRequest.triggertrigger MaintenanceRequest on

Case (before update, after update) {      Map<Id,Case>

validCaseMap = new Map<Id,Case>();

if(Trigger.isUpdate && Trigger.isAfter){

for(Case caseHere: Trigger.new){

    if (caseHere.IsClosed && (caseHere.Type.equals('Repair') || caseHere.Type.equals('Routine
Maintenance'))){

validCaseMap.put(caseHere.Id, caseHere);

}

}

if(!validCaseMap.values().isEmpty()){

    MaintenanceRequestHelper.createNewRequest(validCaseMap);

}

}

}
```

*MaintenanceRequestHelper.cls*public

class MaintenanceRequestHelper {

public static void createNewRequest(Map<Id, Case> validCaseMap){

List<Case> newCases = new List<Case>();

Map<Id, Integer> productMaintenanceCycleMap = new Map<Id, Integer>();

Map<Id, Integer> workPartMaintenanceCycleMap = new Map<Id, Integer>();

for (Product2 productHere : [select Id, Maintenance_Cycle__c from Product2]) {

if (productHere.Maintenance_Cycle__c != null) {

productMaintenanceCycleMap.put(productHere.Id,

Integer.valueOf(productHere.Maintenance_Cycle__c));

}

}

*for (Work_Part__c workPart : [select Id, Equipment__c, Maintenance_Request__c from
Work_Part__c where Maintenance_Request__c in :validCaseMap.keySet()]) {*

if (workPart.Equipment__c != null) {

if(!workPartMaintenanceCycleMap.containsKey(workPart.Maintenance_Request__c)){

```
        workPartMaintenanceCycleMap.put(workPart.Maintenance_Request__c,  
productMaintenanceCycleMap.get(workPart.Equipment__c));
```

```
}
```

```
        else        if(productMaintenanceCycleMap.get(workPart.Equipment__c)        <  
workPartMaintenanceCycleMap.get(workPart.Maintenance_Request__c)){
```

```
        workPartMaintenanceCycleMap.put(workPart.Maintenance_Request__c,  
productMaintenanceCycleMap.get(workPart.Equipment__c));
```

```
}
```

```
}
```

```
}
```

```
for(Case caseHere: validCaseMap.values()){
```

```
Case newCase = new Case();
```

```
newCase.Vehicle__c = caseHere.Vehicle__c;
```

```
newCase.Equipment__c = caseHere.Equipment__c;
```

```
newCase.Type = 'Routine Maintenance';
```

```
newCase.Subject = String.isBlank(caseHere.Subject) ? 'Routine Maintenance Request' :  
caseHere.Subject + ' New';
```

```
newCase.Date_Reported__c = Date.today();
```

```
newCase.Date_Due__c =
```


workPartMaintenanceCycleMap.containsKey(caseHere.Product__c) ?

Date.today().addDays(workPartMaintenanceCycleMap.get(caseHere.Product__c)) :

Date.today(); newCase.Status = 'New';

newCase.Product__c = caseHere.Product__c;

newCase.AccountId = caseHere.AccountId;

newCase.ContactId = caseHere.ContactId;

newCase.AssetId = caseHere.AssetId;

newCase.Origin = caseHere.Origin;

newCase.Reason = caseHere.Reason;

newCases.add(newCase);

}

if(newCases.size() > 0){

insert newCases;

}

}

}

Challenge #2

WarehouseCalloutService.cls

```
public with sharing class WarehouseCalloutService {    private static final String  
WAREHOUSE_URL = 'https://th-superbadgeapex.herokuapp.com/equipment';
```

```
// complete this method to make the callout (using @future) to the
```

```
// REST endpoint and update equipment on hand.
```

```
@future(callout=true)
```

```
public static void runWarehouseEquipmentSync(){
```

```
Http http = new Http();
```

```
HttpRequest request = new HttpRequest();
```

```
request.setEndpoint(WAREHOUSE_URL);
```

```
request.setMethod('GET');
```

```
HttpResponse response = http.send(request);
```

```
if (response.getStatusCode() == 200) {
```

```
List<Object> results = (List<Object>) JSON.deserializeUntyped(response.getBody());
```

```
List<Product2> equipmentList = new List<Product2>();
```

```
for (Object record: results) {
```

```
Map<String, Object> recordMap = (Map<String, Object>)record;
```

```
Product2 equipment = new Product2();
```

```
equipment.Name = (String)recordMap.get('name');
```

```
equipment.Cost__c = (Decimal)recordMap.get('cost');
```

```
equipment.ProductCode = (String)recordMap.get('_id');
```

```
equipment.Current_Inventory__c = (Integer)recordMap.get('quantity');
```

```
equipment.Maintenance_Cycle__c = (Integer)recordMap.get('maintenanceperiod');
```

```
equipment.Replacement_Part__c = (Boolean)recordMap.get('replacement');
```

```
equipment.Lifespan_Months__c = (Integer)recordMap.get('lifespan');
```

```
equipment.Warehouse_SKU__c = (String)recordMap.get('sku');
```

```
equipmentList.add(equipment);
```

```
}
```

```
if(equipmentList.size() > 0){
```

```
    upsert equipmentList;
```

```
}
```

```
}
```

```
}
```

```
}
```

challenge #3\WarehouseSyncSchedule.cls public class

WarehouseSyncSchedule implements Schedulable{

// implement scheduled code here

public void execute(System.SchedulableContext context){

WarehouseCalloutService.runWarehouseEquipmentSync();

}

}

Challenge #4@isTest public class

MaintenanceRequestTest {

@testSetup

static void setup(){

Product2 prod = new Product2();

prod.Cost__c = 50;

prod.Name = 'Ball Valve 10 cm';

prod.Lifespan_Months__c = 12;

prod.Maintenance_Cycle__c = 365;

prod.Current_Inventory__c = 50; prod.Replacement_Part__c = true;

prod.Warehouse_SKU__c = '100009';

insert prod;

Product2 prod2 = new Product2();

prod2.Cost__c = 50;

prod2.Name = 'Ball Valve 10 cm';

prod2.Lifespan_Months__c = 12;

prod2.Maintenance_Cycle__c = 240;

prod2.Current_Inventory__c = 50;

prod2.Replacement_Part__c = true;

prod2.Warehouse_SKU__c = '100009';

insert prod2;

List<Case> caseList = new List<Case>(); for(Integer i=0; i<300; i++) {

```
Case caseNew = new Case();
```

```
caseNew.Subject = 'Maintenance ' + i;
```

```
caseNew.Type = 'Other';
```

```
caseNew.Status = 'New';
```

```
caseNew.Equipment__c = prod.Id;
```

```
caseNew.SuppliedName = 'Test';
```

```
caseList.add(caseNew);
```

```
if(i==10){
```

```
caseNew.Subject = 'Maintenance test 10';
```

```
}
```

```
}
```

```
insert caseList;
```

```
List<Work_Part__c> workPartList = new List<Work_Part__c>();
```

```
for(Case caseHere : [select Id, Subject from Case where SuppliedName = 'Test']) {
```

```
Work_Part__c workPart = new Work_Part__c();
```

```
workPart.Maintenance_Request__c = caseHere.Id;
```

```
workPart.Equipment__c = prod.Id;
```

```
workPartList.add(workPart);
```

```
if(caseHere.Subject == 'Maintenance test 10'){
```

```
Work_Part__c workPart2 = new Work_Part__c();
```

```
workPart2.Maintenance_Request__c = caseHere.Id;
```

```
workPart2.Equipment__c = prod2.Id;
```

```
workPartList.add(workPart2);
```

```
}
```

```
}
```

```
insert workPartList;
```

```
}
```

```
@isTest
```

```
static void testMaintenanceRequest(){
```

```
List<Case> caseList = new List<Case>();
```

```
for(Case caseHere : [select Id from Case where SuppliedName = 'Test']) {
```

```
caseHere.Type = 'Repair';
```

```
caseHere.Status = 'Closed';
```

```
caseList.add(caseHere);
```

```
}
```

```
Test.startTest();
```

```
update caseList;
```

```
System.assertEquals(300, [SELECT count() FROM Case WHERE Type = 'Routine
```

```
Maintenance' and Date_Reported__c = :Date.today()]);
```

```
Test.stopTest();
```

```
}
```

```
}
```

Challenge #5

```
WarehouseCalloutServiceMock.cls
```

```
public class WarehouseCalloutServiceMock implements HttpCalloutMock {
```

```
private String responseJson = '[' +
```

```
    '{"_id":"55d66226726b611100aaf741","replacement":false,"quantity":5,"name":"Generator  
1000 kW","maintenanceperiod":365,"lifespan":120,"cost":5000,"sku":"100003"}', ' +
```

```
    '{"_id":"55d66226726b611100aaf742","replacement":true,"quantity":183,"name":"Cooling  
Fan","maintenanceperiod":0,"lifespan":0,"cost":300,"sku":"100004"}', ' +
```



```
'{"_id":"55d66226726b611100aaf743","replacement":true,"quantity":143,"name":"Fuse  
20A","maintenanceperiod":0,"lifespan":0,"cost":22,"sku":"100005"}' +
```

```
'];
```

```
// Implement this interface method
```

```
public HTTPResponse respond(HTTPRequest request) {
```

```
// Create a fake response
```

```
HttpResponse response = new HttpResponse();
```

```
response.setHeader('Content-Type', 'application/json');
```

```
response.setBody(responseJson);
```

```
response.setStatusCode(200);
```

```
return response;
```

```
}
```

```
}
```

```
WarehouseCalloutServiceTest.cls
```

```
@isTestprivate      class
```

```
WarehouseCalloutServiceTest {
```

@isTest

static void testRunWarehouseEquipmentSync(){

Test.setMock(HttpCalloutMock.class, new WarehouseCalloutServiceMock());

Test.startTest();

WarehouseCalloutService.runWarehouseEquipmentSync();

Test.stopTest();

System.assertEquals(3, [select count() from Product2]);

}

}

Challenge #6

WarehouseSyncScheduleTest.cls

@isTestpublic class

WarehouseSyncScheduleTest {

public static String CRON_EXP = '0 0 1 * * ?';

@isTest

static void testExecute(){

```
Test.setMock(HttpCalloutMock.class, new WarehouseCalloutServiceMock());
```

```
Test.startTest();
```

```
String jobId = System.schedule('WarehouseSyncScheduleTest', CRON_EXP, new  
WarehouseSyncSchedule());
```

```
Test.stopTest();
```

```
System.assertEquals(1, [SELECT count() FROM CronTrigger WHERE CronJobDetail.Name =  
'WarehouseSyncScheduleTest']);
```

```
}
```

```
}
```