3. Write a trigger and test class when an account is created , insert an contact related to the account with account name as contact first name.

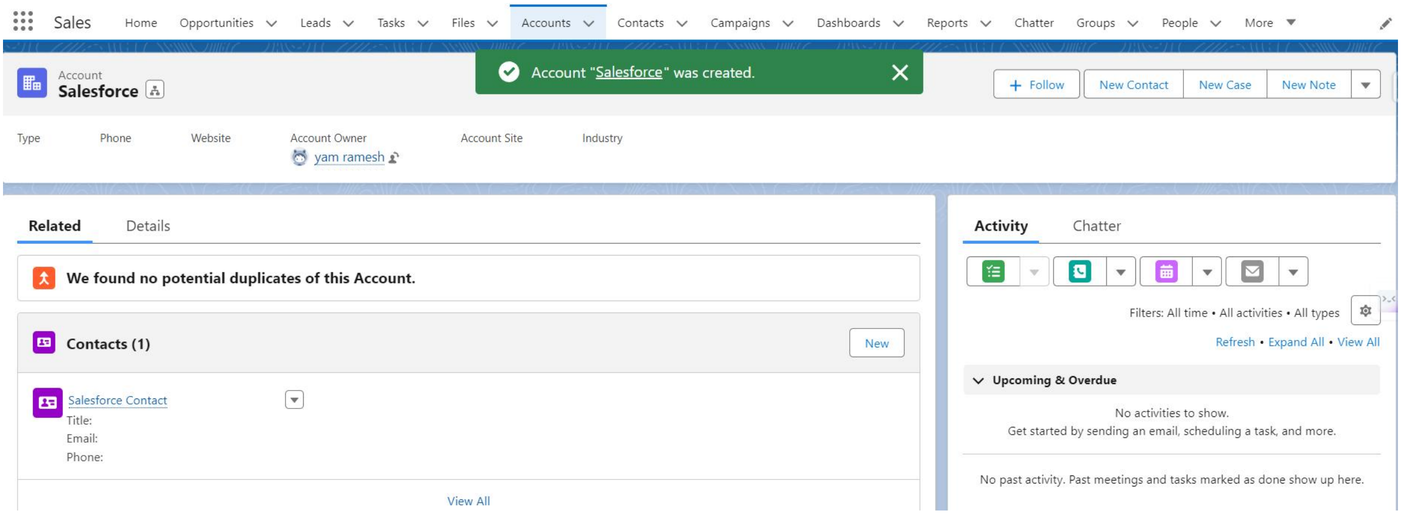
Object : Account

```
Trigger AccountTrigger on Account (After Insert)
{

        if(trigger.isAfter && trigger.isInsert)
        {
           AccountTriggerHandler.handleAfterInsert(trigger.new);
        }
}
```

SWIPE THE PAGE TO SEE HANDLER CLASS….

```
Public class AccountTriggerHandler
{


       Public static void handleAfterInsert(list<account>Acclist)
       {
         list<contact>conlist = new list<contact>();

         for(Account A : Acclist)

           {
             Contact C = new Contact();
             C.FirstName = A.Name;
             C.LastName = 'Contact';
             C.AccountId = A.Id;
             conlist.add(C);
           }

         if(!conlist.isEmpty())
         {
           Insert conlist;
         }
       }
}
```

RESULT:



Account "Salesforce" was created.

Account
Salesforce

Type
Phone
Website
Account Owner: yam ramesh
Account Site
Industry

We found no potential duplicates of this Account.

Contacts (1)

Salesforce Contact
Title:
Email:
Phone:

Filters: All time • All activities • All types

Upcoming & Overdue

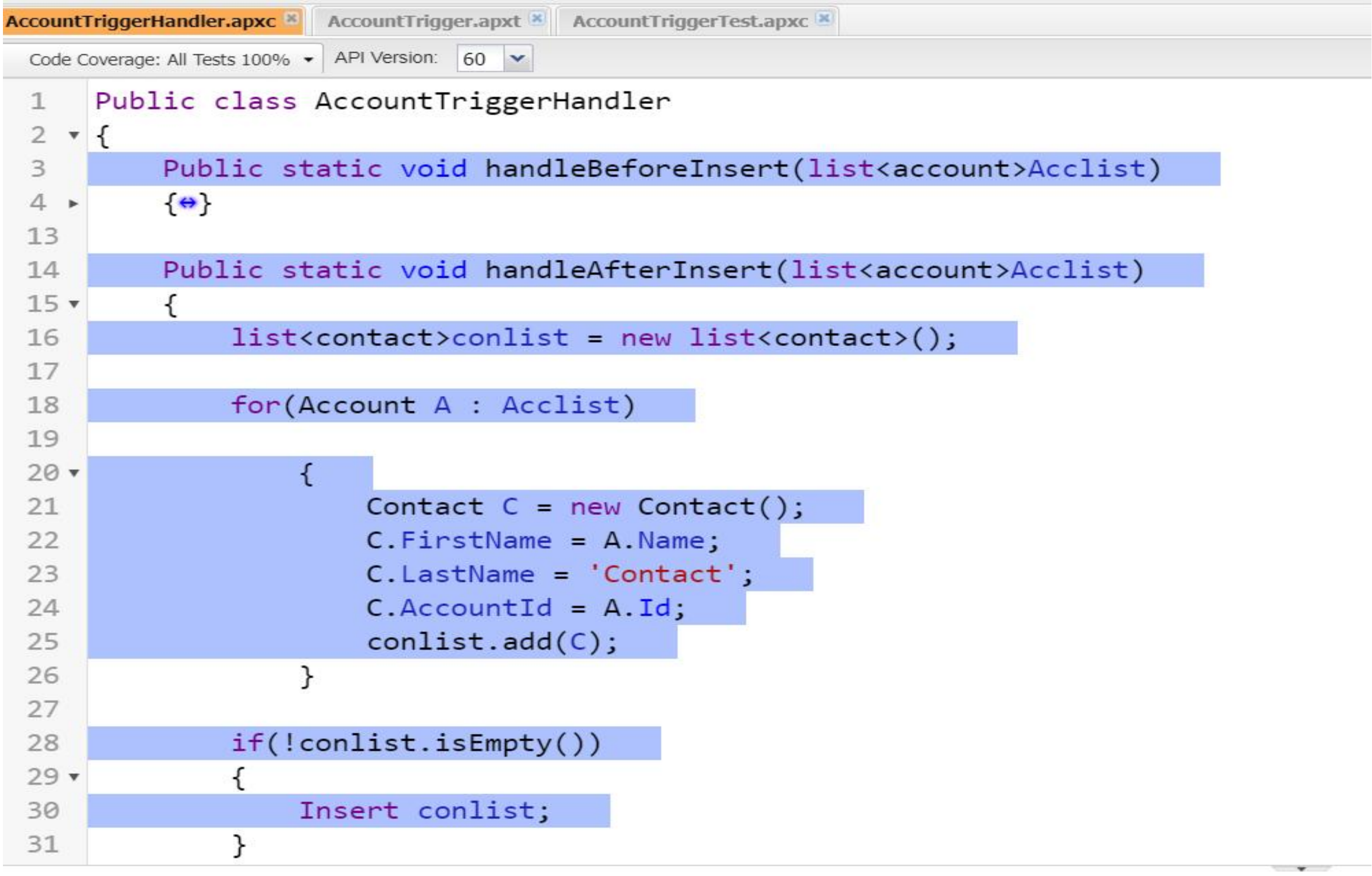
No activities to show.
Get started by sending an email, scheduling a task, and more.

No past activity. Past meetings and tasks marked as done show up here.

TEST CLASS:

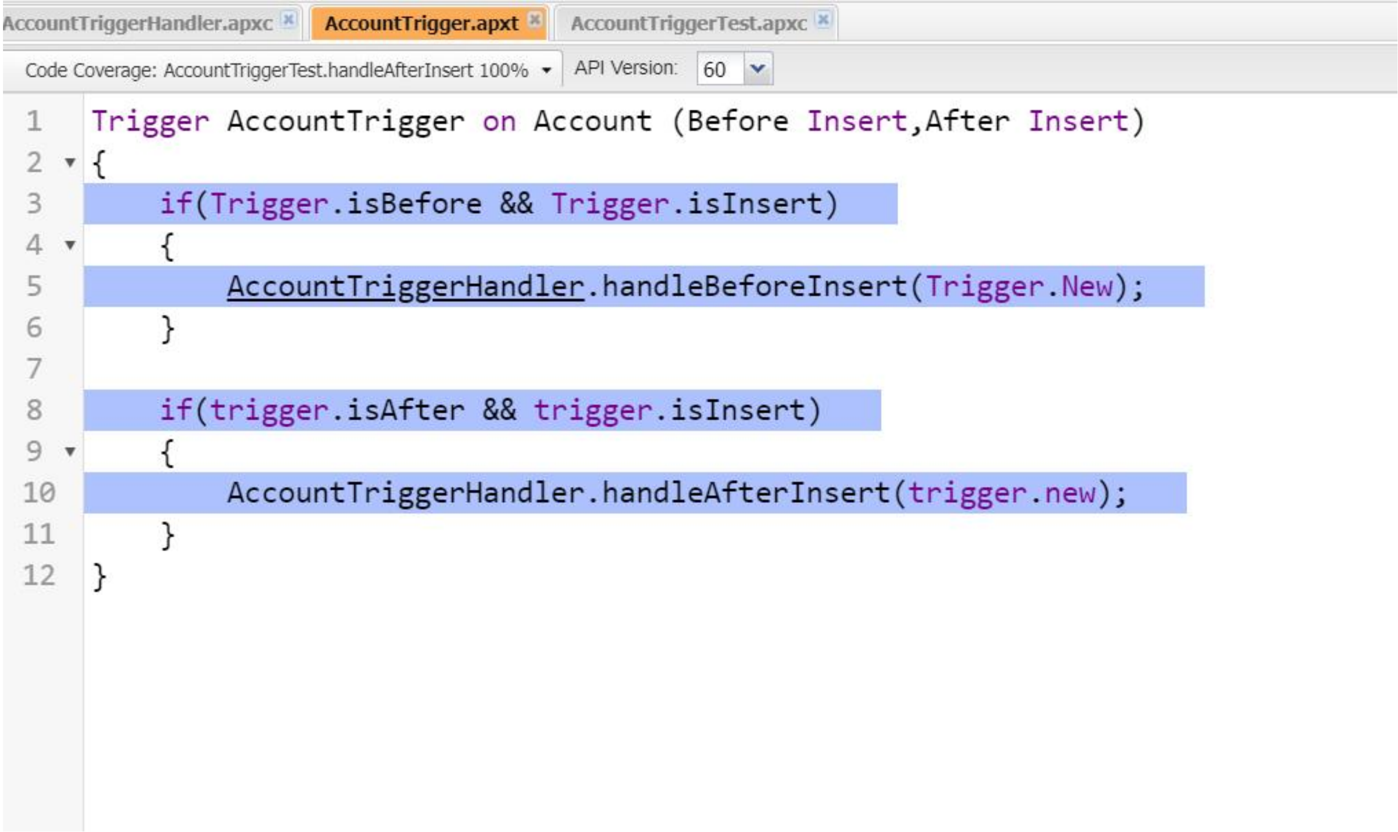
```
@isTest
Public class AccountTriggerTest
{

   @isTest
   public static void handleAfterInsert()
   {
              Account A = new Account();
              A.Name = 'Test';

              Test.startTest();
              Insert A;
              Test.stopTest();

      list<Account>Accs = [select id ,name  ,(select FirstName,LastName from
Contacts)from Account where Name ='Test'];

      system.assertEquals(1,Accs[0].Contacts.size());

      for(Account Ac :Accs)
      {
         for(Contact C : Ac.contacts)
         {
            system.assertEquals('Test',C.FirstName);
         }
      }
   }

}
```

RESULT:



Code Coverage: All Tests 100%   API Version: 60

```
Public class AccountTriggerHandler
{
    Public static void handleBeforeInsert(list<account>Acclist)
    {↔}

    Public static void handleAfterInsert(list<account>Acclist)
    {
        list<contact>conlist = new list<contact>();

        for(Account A : Acclist)

            {
                Contact C = new Contact();
                C.FirstName = A.Name;
                C.LastName = 'Contact';
                C.AccountId = A.Id;
                conlist.add(C);
            }

        if(!conlist.isEmpty())
        {
            Insert conlist;
        }
```



Code Coverage: AccountTriggerTest.handleAfterInsert 100%   API Version: 60

```
Trigger AccountTrigger on Account (Before Insert,After Insert)
{
    if(Trigger.isBefore && Trigger.isInsert)
    {
        AccountTriggerHandler.handleBeforeInsert(Trigger.New);
    }

    if(trigger.isAfter && trigger.isInsert)
    {
        AccountTriggerHandler.handleAfterInsert(trigger.new);
    }
}
```