

Apex Class

```
public class AccountProcessor
{
    @future
    public static void countContacts(Set<id> setId)
    {
        List<Account> lstAccount = [select id,Number_of_Contacts__c , (select id from contacts ) from account
where id in :setId ];

        for( Account acc : lstAccount )
        {
            List<Contact> lstCont = acc.contacts ;

            acc.Number_of_Contacts__c = lstCont.size();
        }
        update lstAccount;
    }
}
```

Apex Test Class

@IsTest

```
public class AccountProcessorTest {  
    public static testmethod void TestAccountProcessorTest()  
    {  
        Account a = new Account();  
        a.Name = 'Test Account';  
        Insert a;  
  
        Contact cont = New Contact();  
        cont.FirstName ='Bob';  
        cont.LastName ='Masters';  
        cont.AccountId = a.Id;  
        Insert cont;  
  
        set<Id> setAcId = new Set<ID>();  
        setAcId.add(a.id);  
  
        Test.startTest();  
        AccountProcessor.countContacts(setAcId);  
        Test.stopTest();  
  
        Account ACC = [select Number_of_Contacts__c from Account where id = :a.id LIMIT 1];  
        System.assertEquals ( Integer.valueOf(ACC.Number_of_Contacts__c) ,1);  
    }  
}
```