ACCOUNT PROCESSOR:

public class AccountProcessor

{

@future

public static void countContacts(List<id> accountIds)

{

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

List<Account> accounts = [select id,Name, (Select Id from Contacts ) from Account Where Id in :accountIds];

for( Account acc : accounts )

{

List<Contact> contactList = acc.Contacts ;

acc.Number\_of\_Contacts\_\_c = contactList.size();

accountsToUpdate.add(acc);

}

update accountsToUpdate;

}

}

ACCOUNT PROCESSOR TEST

@IsTest

private class AccountProcessorTest {

@IsTest

private static void testCountContacts()

{

Account newAccount = new Account(Name='Test Account');

Insert newAccount;

Contact newContact1 = new Contact(FirstName='John',LastName='Doe',AccountId= newAccount.Id);

insert newContact1;

Contact newContact2 = new Contact(FirstName='Jane',LastName='Doe',AccountId= newAccount.Id);

insert newContact2;

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

accountIds.add(newAccount.Id);

Test.startTest();

AccountProcessor.countContacts(accountIds);

Test.stopTest();

}

}