

## **AccountProcessor Code: -**

```
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;  
    }  
}
```

## AccountProcessorTest Code: -

```
@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();
    }
}
```