

## ASYNCHRONOUS APEX

### 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();

}

}
```