## **Hello Salesforce!**

## **Apex Snippet: Handling Erroneous Records using Batch Apex**

Saturday, June 16, 2018 Database.Batchable, Database.BatchableContext No comments

```
global class BatchApexAccountUpdate implements Database.Batchable<SObject>, Database
Stateful
   global Map<Id, String> errorMap {get; set;}
   global Map<Id, SObject> IdToSObjectMap {get; set;}
   global BatchApexAccountUpdate(){
       errorMap = new Map<Id, String>();
       IdToSObjectMap = new Map<Id, SObject>();
   global Database.QueryLocator start(Database.BatchableContext BC) {
       return Database.getQueryLocator('Select Id, OwnerId, Name From Account');
   global void execute(Database.BatchableContext BC, List<SObject> scope) {
       List<Account> accountList = new List<Account>();
       for(SObject s : scope){
         Account acct = (Account) s;
          accountList.add(acct);
       if(accountList.size() > 0) {
           List<Database.SaveResult> dsrs = Database.Update(accountList, false);
           Integer index = \theta;
           for(Database.SaveResult dsr : dsrs){
               if(!dsr.isSuccess()){
                   String errMsg = dsr.getErrors()[0].getMessage();
                   errorMap.put(accountList[index].Id, errMsg);
                   IdToSObjectMap.put(accountList[index].Id, accountList[index]);
               index++;
   global void finish(Database.BatchableContext BC) {
      if(!errorMap.isEmpty()){
           AsyncApexJob a = [SELECT id, ApexClassId,
                      JobItemsProcessed, TotalJobItems,
                      NumberOfErrors, CreatedBy.Email
                      FROM AsyncApexJob
                      WHERE id = :BC.getJobId()];
           String body = 'Your batch job
            + 'BatchApexAccountUpdate'
            + 'has finished. \n'
            + 'There were
            + errorMap.size()
            + ' errors. Please find the error list attached to the Case.';
           String finalstr = 'Id, Name, Error \n';
           String subject = 'Account - Apex Batch Error List';
           String attName = 'Account Errors.csv';
           for(Id id : errorMap.keySet()){
               string err = errorMap.get(id);
               Account acct = (Account) IdToSObjectMap.get(id);
               string recordString = '"'+id+'","'+acct.Name+'","'+err+'"\n';
               finalstr = finalstr +recordString;
           Messaging.SingleEmailMessage email = new Messaging.SingleEmailMessage();
           Messaging.EmailFileAttachment efa = new Messaging.EmailFileAttachment();
```

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https://hellosnl.blogspot.com/2018/06/apex-snippet-handling-erroneous-records.html