Date:14/07/2023
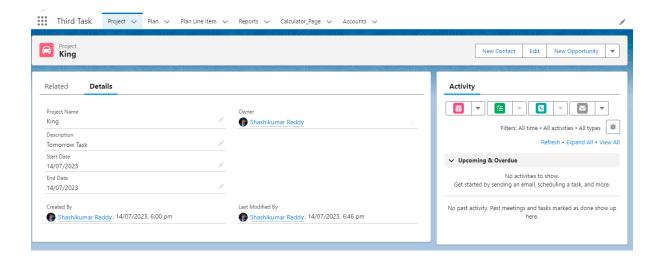
Name: Shashikumar Reddy

Step1:

Create a batch apex and then write the following code.

Step2:

Then we have updated the records which you see in the below image.

Step3:

Then write the test class for inserting the record.

Apex batch apex class code:

```
public class DataTransferBatch implements Database.Batchable<sObject>, Database.Stateful {
    public Database.QueryLocator start(Database.BatchableContext bc) {
        String projectquery ='select id,Name,Description__c,Start_Date__c,End_Date__c FROM project__c';

        return Database.getQueryLocator(projectquery);
    }

    public void execute(Database.BatchableContext bc, List<project__c> variable1) {
        List<project__c> recordsToUpdate = new List<project__c>();
        List<Plan__c> relatedRecordsToInsert = new List<Plan__c>();

    // Perform the data transformation on each record in the scope
        for(project__c obj:variable1){
        for(Integer i=0;i<200;i++){

            // Perform the required data transformation
            obj.Name='King';
```

```
        obj.Description__c = 'Tomorrow Task';

        obj.Start_Date__c = Date.today();

        obj.End_Date__c=Date.today();


        recordsToUpdate.add(obj);

    }


    }
    // Update the transformed records
    if (!recordsToUpdate.isEmpty()) {

        update variable1;


    }


}


public void finish(Database.BatchableContext bc) {

    system.debug('task completed');

}
}
```

Project ∨   Plan ∨   Plan Line Item ∨   Reports ∨   Calculator_Page ∨   Accounts ∨

Project
King

New Contact | Edit | New Opportunity | ▼

Related   **Details**

Activity

Project Name
King

Owner
Shashikumar Reddy

Filters: All time • All activities • All types ⚙

Description
Tomorrow Task

Refresh • Expand All • View All

Start Date
14/07/2023

⌄ **Upcoming & Overdue**

End Date
14/07/2023

No activities to show.
Get started by sending an email, scheduling a task, and more.

Created By
Shashikumar Reddy • 14/07/2023, 6:00 pm

Last Modified By
Shashikumar Reddy • 14/07/2023, 6:46 pm

No past activity. Past meetings and tasks marked as done show up here.

```
10          List<Plan__c> relatedRecordsToInsert = new List<Plan__c>();
11
12      // Perform the data transformation on each record in the scope
13 ▾       for(project__c obj:variable1){
14 ▾       for(Integer i=0;i<200;i++){
15
16              // Perform the required data transformation
17              obj.Name='King';
18              obj.Description__c = 'Tomorrow Task';
19              obj.Start_Date__c = Date.today();
20              obj.End_Date__c=Date.today();
21
22              recordsToUpdate.add(obj);
23          }
24
25          }
26          // Update the transformed records
27 ▾       if (!recordsToUpdate.isEmpty()) {
28              update variable1;
29
```

File ▾   Edit ▾   Debug ▾   Test ▾   Workspace ▾   Help ▾   <   >

DataTransferBatch.apxc ⊠   Log executeAnonymous @7/14/2023, 6:38:16 PM ⊠   Log executeAnonymous @7/14/2023, 6:46:24 PM ⊠   BatchapexTestclass.apxc ⊠

Code Coverage: None ▾   API Version: 58 ▾   Run Test

```
1     @isTest
2 ▾ private class BatchapexTestclass {
3       @isTest
4 ▾     static void testBatchJob() {
5           // Create test records for the batch job
6           List<project__c> testRecords = new List<project__c>();
7 ▾         for (Integer i = 0; i < 200; i++) {
8               project__c obj = new project__c();
9               obj.Name = 'Test Object ' + i;
10              obj.Description__c = 'Test Value 1';
11              obj.Start_Date__c = date.today();
12
13              testRecords.add(obj);
14          }
15
16          insert testRecords;
17
18          // Start the batch job
19          Test.startTest();
20          BatchapexTestclass shashibatch= new BatchapexTestclass();
```

Test class code:

@isTest

private class BatchapexTestclass {

   @isTest

  static void testBatchJob() {

    // Create test records for the batch job

    List<project__c> testRecords = new List<project__c>();

    for (Integer i = 0; i < 200; i++) {

      project__c obj = new project__c();

      obj.Name = 'Test Object ' + i;

      obj.Description__c = 'Test Value 1';

      obj.Start_Date__c = date.today();

```apex
            testRecords.add(obj);

        }


        insert testRecords;


        // Start the batch job

        Test.startTest();

        BatchapexTestclass shashibatch= new BatchapexTestclass();

        Test.stopTest();


        // Verify the updated records

        List<project__c> updatedRecords = [SELECT Id,Name,Description__c FROM project__c];


        for (project__c record : updatedRecords) {

            System.assertEquals('New Value 1', record.Description__c);

            System.assertEquals('New Value 2', record.Name);

        }


        // Verify the inserted related records

        List<Plan__c> relatedRecords = [SELECT Id, Name,Enter_the_amount__c,Amount__c FROM
Plan__c];

        System.assertEquals(testRecords.size(), relatedRecords.size());


        for (Plan__c relatedRecord : relatedRecords) {

            System.assertNotEquals(null, relatedRecord.project__c);

        }

    }

}
```