

Fig 1> Creating a new Apex class

```
Developer Console - Brave
resourceful-narwhal-dnmnxo-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
File Edit Debug Test Workspace Help < >
DailyLeadProcessor.apxc DailyLeadProcessorTest.apxc
Code Coverage: None API Version: 57
1 global class DailyLeadProcessor implements Schedulable {
2     global void execute(SchedulableContext ctx){
3         List<lead> leadstoupdate = new List<lead>();
4         List<Lead> leads = [SELECT Id
5             FROM Lead
6             WHERE LeadSource = NULL Limit 200];
7         for(Lead l : Leads){
8             l.LeadSource = 'DreamForce';
9             leadstoupdate.add(l);
10        }
11        update leadstoupdate;
12    }
13 }
```

Code for this Apex Class

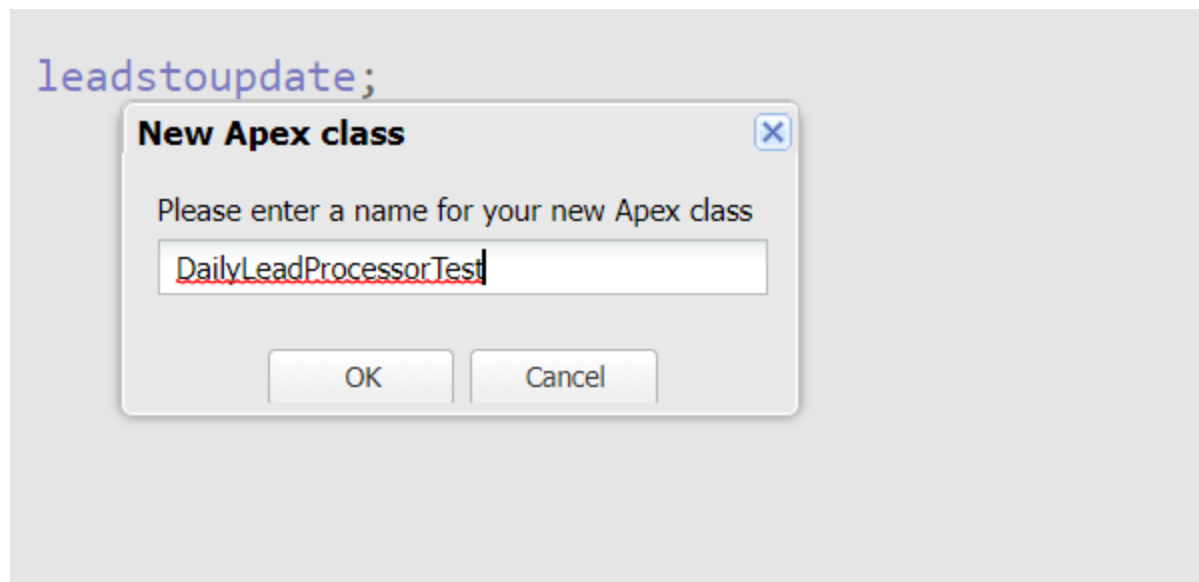


Fig 3> Creating a new Apex class

```

1  @isTest
2  private class DailyLeadProcessorTest {
3      public static String CRON_EXP = '0 0 0 18 6 ? 2023'; // Dummy CRON expression: on June 18 2023.
4
5      // The Job immediately after Test.stopTest().
6      static testmethod void testScheduledJob() {
7          List<Lead> leads = new List<lead>();
8
9          for (Integer i=0; i<200; i++) {
10             Lead L = new Lead(
11                 FirstName = 'First ' + i,
12                 LastName = 'LastName',
13                 Company = 'The Inc'
14             );
15             leads.add(L);
16         }
17         insert leads;
18
19         Test.startTest();
20         String jobId = System.schedule('ScheduledApexTest',
21             CRON_EXP,
22             new DailyLeadProcessor());
23
24         Test.stopTest();
25         // Now that the scheduled job has executed, check that we have 200 Leads
26         List<Lead> checkleads = new List<lead>();
27         checkleads = [SELECT Id FROM Lead WHERE LeadSource = 'Dreamforce' and Company = 'The Inc'];
28         System.assertEquals(200, checkleads.size());

```

Code for this Test Apex Class

Running The test Cases :

✖	TestRun @ 10:00:00 pm	1	1
✔	TestRun @ 10:02:29 pm	0	1
✔	TestRun @ 10:03:24 pm	0	1
✖	TestRun @ 10:06:02 pm	1	1
✔	TestRun @ 10:09:36 pm	0	1

Overall Code Coverage on running the test cases :

Overall Code Coverage		
Class	Percent	Lines
Overall	100%	
DailyLeadProcessor	100%	7/7

Assessment Completion !:

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Asynchronous Apex

16%

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