2.Write a Trigger and Testclass for the following for the following trigger when an Opportunity is inserted with Amount '10000'to '50000'then populate description as 'Hot Opportunity'and write the testclass for code coverage.

Object : Opportunity

```
Trigger OpportunityTrigger on Opportunity (Before Insert)
{

    if(Trigger.isBefore)
    {
      if(Trigger.isInsert)
      {
         OpportunityTriggerHandler.handleBeforeInsert(Trigger.new);
      }
    }
}
```

*SWIPE THE PAGE TO SEE HANDLER CLASS…..*
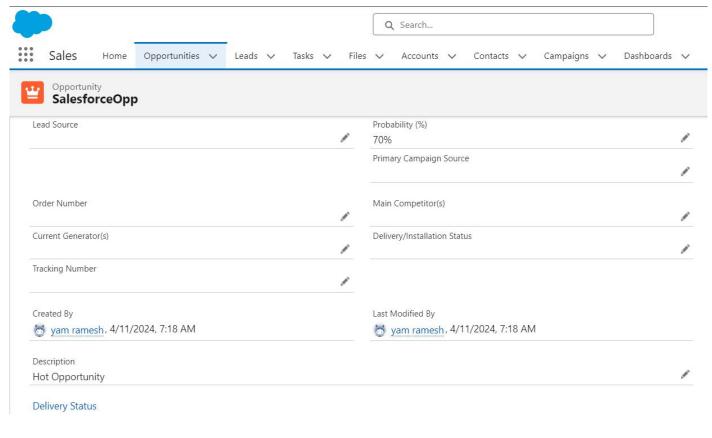
```
Public class OpportunityTriggerHandler
{

    Public static void handleBeforeInsert(list<opportunity>Opplist)
    {
            for(Opportunity O :Opplist)
            {
               if(O.Amount != null && O.Amount>=10000 && O.Amount <=50000)
               {
                  O.Description = 'Hot Opportunity';
               }
            }
    }


}
```

***RESULT:***

New Opportunity

Opportunity
**SalesforceOpp**

| Lead Source | ✎ | Probability (%) | ✎ |
| | | 70% | |
| | | Primary Campaign Source | ✎ |
| Order Number | ✎ | Main Competitor(s) | ✎ |
| Current Generator(s) | ✎ | Delivery/Installation Status | ✎ |
| Tracking Number | ✎ | | |

Created By
🐷 yam ramesh, 4/11/2024, 7:18 AM

Last Modified By
🐷 yam ramesh, 4/11/2024, 7:18 AM

Description
Hot Opportunity                                                                                                    ✎

Delivery Status

### TEST CLASS:

```
@isTest
Public class OpportunityTriggerTest
{
    @isTest
    Public static void handleBeforeInsert()
    {
        Opportunity O = new Opportunity();
        O.Name = 'Test';
        O.CloseDate = system.today()+1;
        O.StageName = 'Prospecting';
        O.Amount = 10000;

        Test.startTest();
        Insert O;
        Test.stopTest();

        List<Opportunity>Ops = [select id,Name,Description from Opportunity where
Name ='Test'];
        system.assertEquals(1,Ops.size());

        for(Opportunity Olist : Ops)
        {
            system.assertEquals('Hot Opportunity',Olist.Description);
        }
    }

}
```

# RESULT:

**OpportunityTriggerHandler.apxc \* ⊠**   OpportunityTrigger.apxt ⊠   OpportunityTriggerTest.apxc ⊠

Code Coverage: All Tests 100% ▾   API Version:  60 ⌄

```apex
1   Public class OpportunityTriggerHandler
2 ▾ {
3         Public static void handleBeforeInsert(list<opportunity>Opplist)
4 ▾     {
5             for(Opportunity O :Opplist)
6 ▾         {
7                 if(O.Amount != null && O.Amount>=10000 && O.Amount <=50000)
8 ▾             {
9                     O.Description = 'Hot Opportunity';
10                }
11            }
12        }
13
14  }
```

Logs | **Tests** | Checkpoints | Query Editor | View State | Progress | Problems

| Status | Test Run | Enqueued Time | Duration |
|---|---|---|---|
| ✔ | ⊞ 📁 TestRun @ 6:38:08 pm | | |
| ✖ | ⊞ 📁 TestRun @ 6:52:40 pm | | |
| ✔ | ⊟ 📂 TestRun @ 6:54:47 pm | | |
| ✔ | ⊟ 📂 OpportunityTriggerTest | | |
| ✔ | 📄 handleBeforeInsert | | 0:00 |

OpportunityTriggerHandler.apxc ⊠   **OpportunityTrigger.apxt ⊠**   OpportunityTriggerTest.apxc ⊠

Code Coverage: All Tests 100% ▾   API Version:  60 ⌄

```apex
1   Trigger OpportunityTrigger on Opportunity (Before Insert)
2 ▾ {
3       if(Trigger.isBefore)
4 ▾     {
5           if(Trigger.isInsert)
6 ▾         {
7               OpportunityTriggerHandler.handleBeforeInsert(Trigger.new);
8           }
9       }
10
11  }
```

Logs | **Tests** | Checkpoints | Query Editor | View State | Progress | Problems

| Status | Test Run | Enqueued Time | Duration | Failures | Total |
|---|---|---|---|---|---|
| ✔ | ⊞ 📁 TestRun @ 6:38:08 pm | | | 0 | 1 |
| ✖ | ⊞ 📁 TestRun @ 6:52:40 pm | | | 1 | 1 |
| ✔ | ⊞ 📁 TestRun @ 6:54:47 pm | | | 0 | 1 |
| ✔ | ⊞ 📁 TestRun @ 7:57:04 pm | | | 0 | 1 |