Cloud Computing (A-3)

Problem Statement:- Creating an Application in SalesForce.com using Apex programming Language.

Apex :-

Apex is a strongly typed, object-oriented programming language that allows developers to execute flow and transaction control statements on the Salesforce platform.

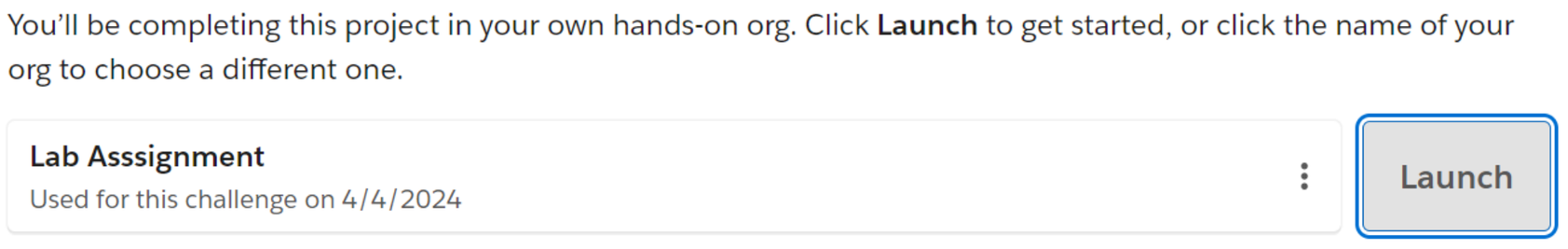
Steps :-

1) Create an Apex Class
2) Add a method to the class
3) Invoke and Test the code
4) Verify the Updated Accounts

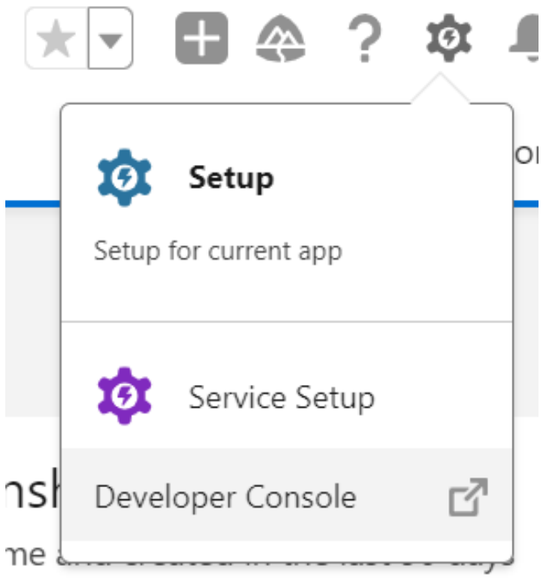
1) Create an Apex Class

The first step is to create an Apex class.

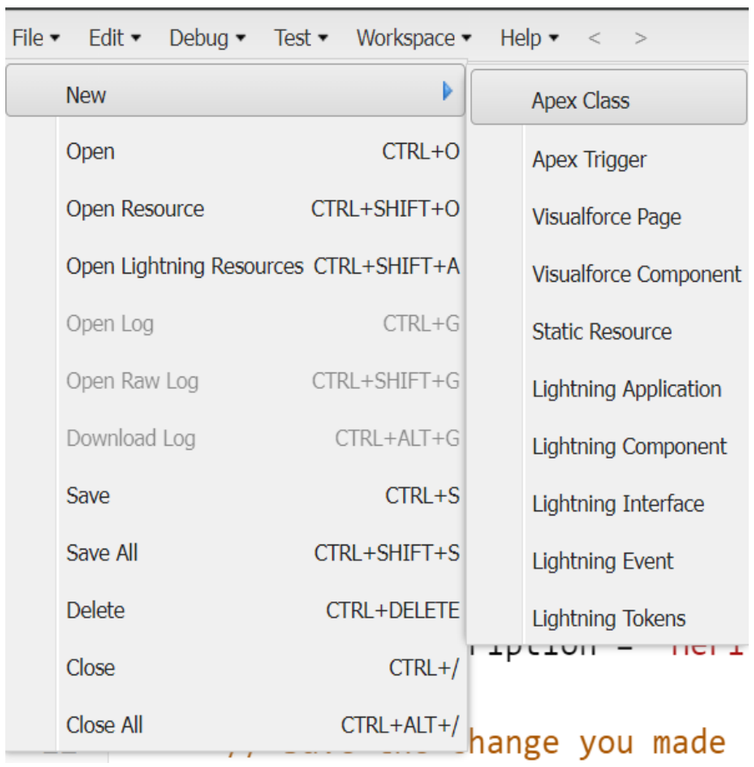
I. If you haven't already, log in to Trailhead, then launch your Trailhead Playground by clicking Launch at the bottom of this page. This opens your Trailhead Playground in a new tab.



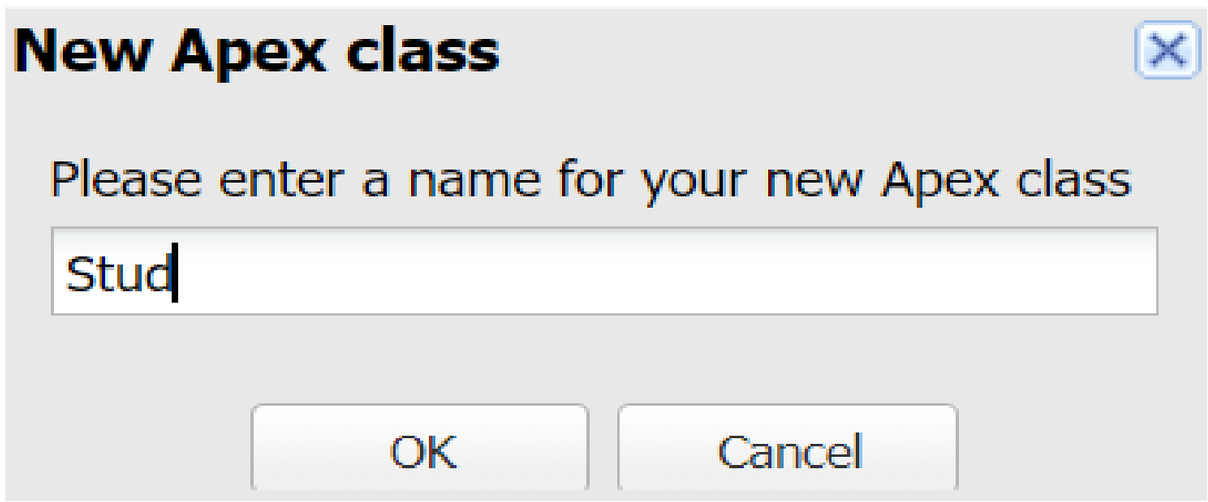
II. Click the setup gear Gear icon and select Developer Console.

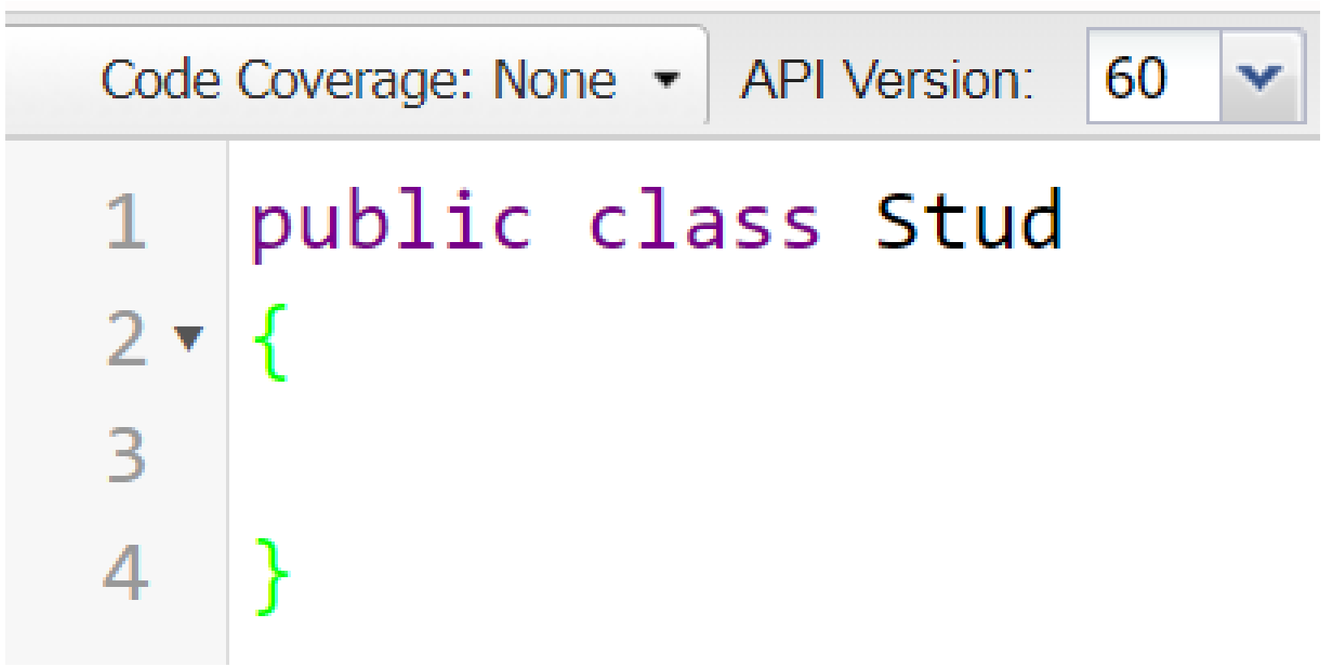


III. From the File menu, select New | Apex Class.



IV. For the class name, enter classname and then click OK.





2) Add a method to the class

Create a Method

A class usually contains one or more methods that do something useful.

Method name :- LinearSearch

File Edit Debug Test Workspace Help < >

Stud.apxc * | Log executeAnonymous @4/4/2024, 8:14:49 PM

Code Coverage: None | API Version: 60

```
public class Stud
{
    public static void LinearSearch(Integer key)
    {
        System.debug('Linear Search');
        Integer s = -1;
        List<integer> lon = new List<integer> ();
        lon.add(3);
        lon.add(4);
        lon.add(5);
        lon.add(6);
        System.debug('List : ' + lon);

        for(integer i=0; i <lon.size();i++)
        {
            if(key == lon[i])
            {
                s = 1;
            }
        }

        if(s == 1)
        {
            System.debug('Element Found');
        }
        else
        {
            System.debug('Element Not Found');
        }
    }
}
```

3) Invoke and Test the code

Execution Log

Timestamp	Event	Details
20:27:24:004	USER_DEBUG	[5]|DEBUG|Linear Search
20:27:24:005	USER_DEBUG	[12]|DEBUG|List : (3, 4, 5, 6)
20:27:24:005	USER_DEBUG	[24]|DEBUG|Element Found

Enter Apex Code

```
1  Stud.LinearSearch(5);
2
```

Open Log | Execute | Execute Highlighted

Execution Log

Timestamp	Event	Details
20:25:44:007	USER_DEBUG	[5]|DEBUG|Linear Search
20:25:44:008	USER_DEBUG	[12]|DEBUG|List : (3, 4, 5, 6)
20:25:44:008	USER_DEBUG	[28]|DEBUG|Element Not Found

Enter Apex Code

```
1  Stud.LinearSearch(10);
2
```

Open Log | Execute | Execute Highlighted