

**PRACTICAL NO : 03**

Name :

Div

Roll No.:

**Title : Creating an Application in Salesforce.com using Apex programming Language**

---

## STEPS TO CREATE AN APPLICATION :

**Step No 1: Create new org:**

<https://developer.salesforce.com/signup>

← → ↻ developer.salesforce.com/signup 🔍 ⌵ ☆ 🏠 👤 ⋮

**Build enterprise-quality apps fast to bring your ideas to life**

- Build apps fast with drag and drop tools
- Customize your data model with clicks
- Go further with Apex code
- Integrate with anything using powerful APIs
- Stay protected with enterprise-grade security
- Customize UI with clicks or any leading-edge web framework

**Sign up for your Salesforce Developer Edition**  
A full-featured copy of the Platform, for free

Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial.

First Name\*  
abc

Last Name\*  
xyz

Email\*  
abc@gmail.com

Role\*  
Developer

Company\*  
ggf

Country/Region\*  
India

Postal Code\*  
422101

Username\*  
abc@ggf.com

Your username must be in the form of an email address (it does not have to be real). It must be unique and cannot be associated with another Salesforce login credential. Read more about username recommendations.

☒ I agree to the Master Services Agreement - Developer Services and Salesforce Program Agreement.

By registering, you confirm that you agree to the processing of your personal data by Salesforce as described in the Privacy Statement.

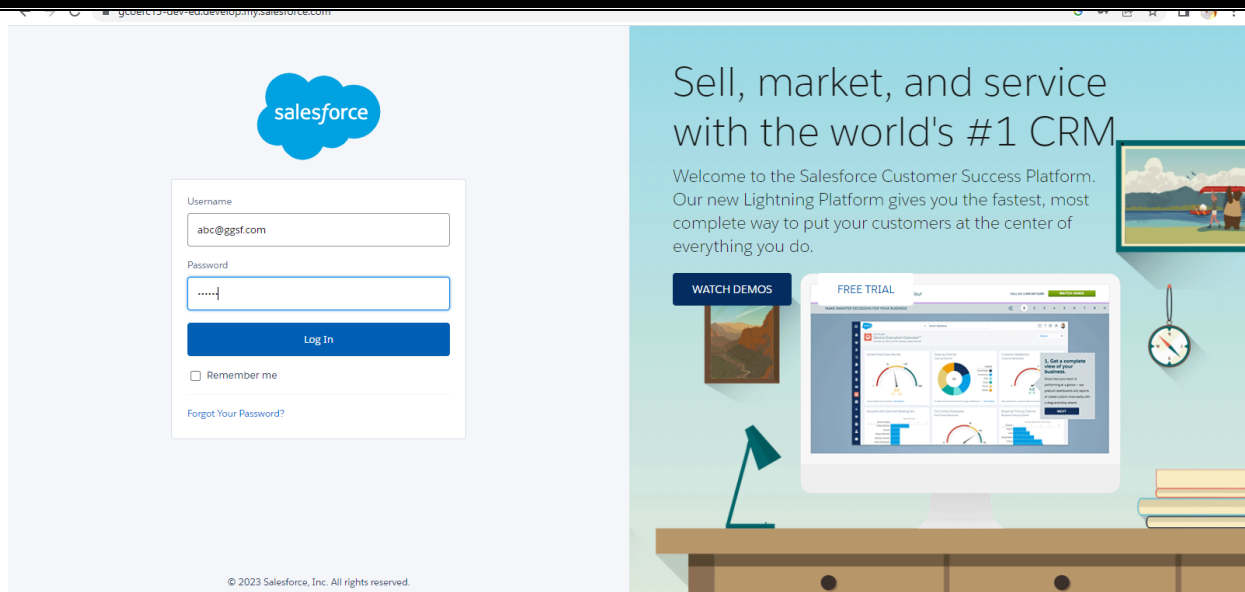
**Sign me up**

Already have a Salesforce Developer Environment?  
[Log In](#)

**Step No 2: After signup, logging using following URL**

<https://login.salesforce.com/>

**Step No 3: Login Page (Enter your credential to login)**



## 1. Open Developer Console

## 2. File ---> New ---> Select Apex Class

Type below mentioned code

```
public class firstClass1 {
    public static void Addition()
    {
        Integer a = 4;
        Integer b = 5;
        Integer c = a + b;
        Integer d = 4 + 5;
        Integer e = a + 5;
        System.debug('Add =' + c);
        System.debug('Add =' + d);
        System.debug('Add =' + e);
    }

    public static void Subtraction()
    {

        Integer a = 4;
        Integer b = 5;
        Integer c1 = a - b;
        Integer d1 = b - a;
        Integer e1 = 4 - 5;
        Integer f1 = a - 5;

        System.debug('Sub =' + c1);
        System.debug('Sub =' + d1);
        System.debug('Sub =' + e1);
        System.debug('Sub =' + f1);
    }

    public static void Multi()
    {
        Integer a = 4;
        Integer b = 5;
```

```

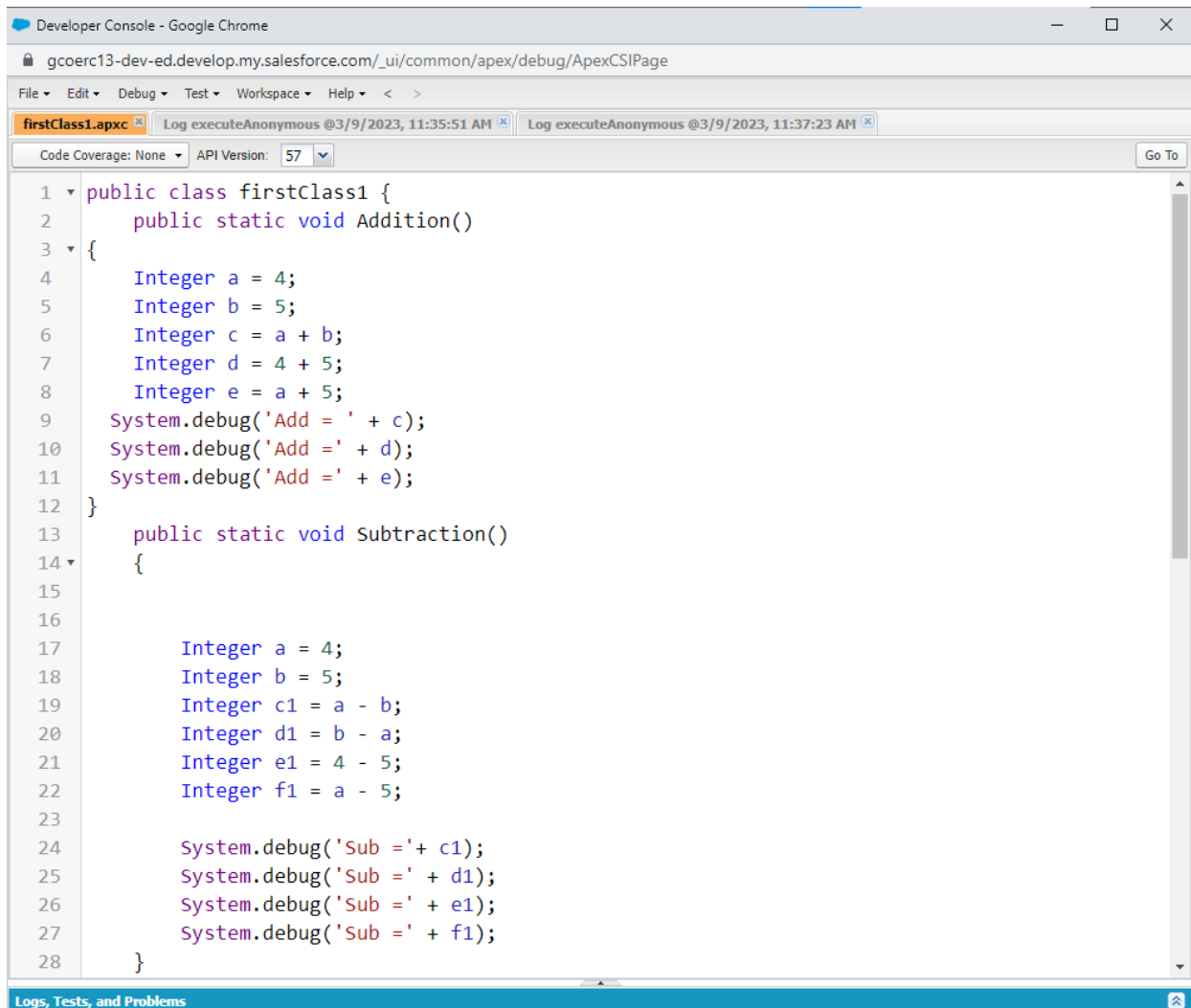
        Integer c = a + b;
        Integer d = 4 * 5;
        Integer e = a * 5;

        System.debug(c);
        System.debug(d);
        System.debug(e);

        Integer f = -4;
        Integer g = a * f;
        System.debug(g);
    }
    public static void Div()
    {
        Integer a = 4;
        Integer b = 5;
        Integer c = a / b;
        Integer d = 4 / 5;
        Integer e = a / 5;

        System.debug(c);
        System.debug(d);
        System.debug(e);
    }
}

```

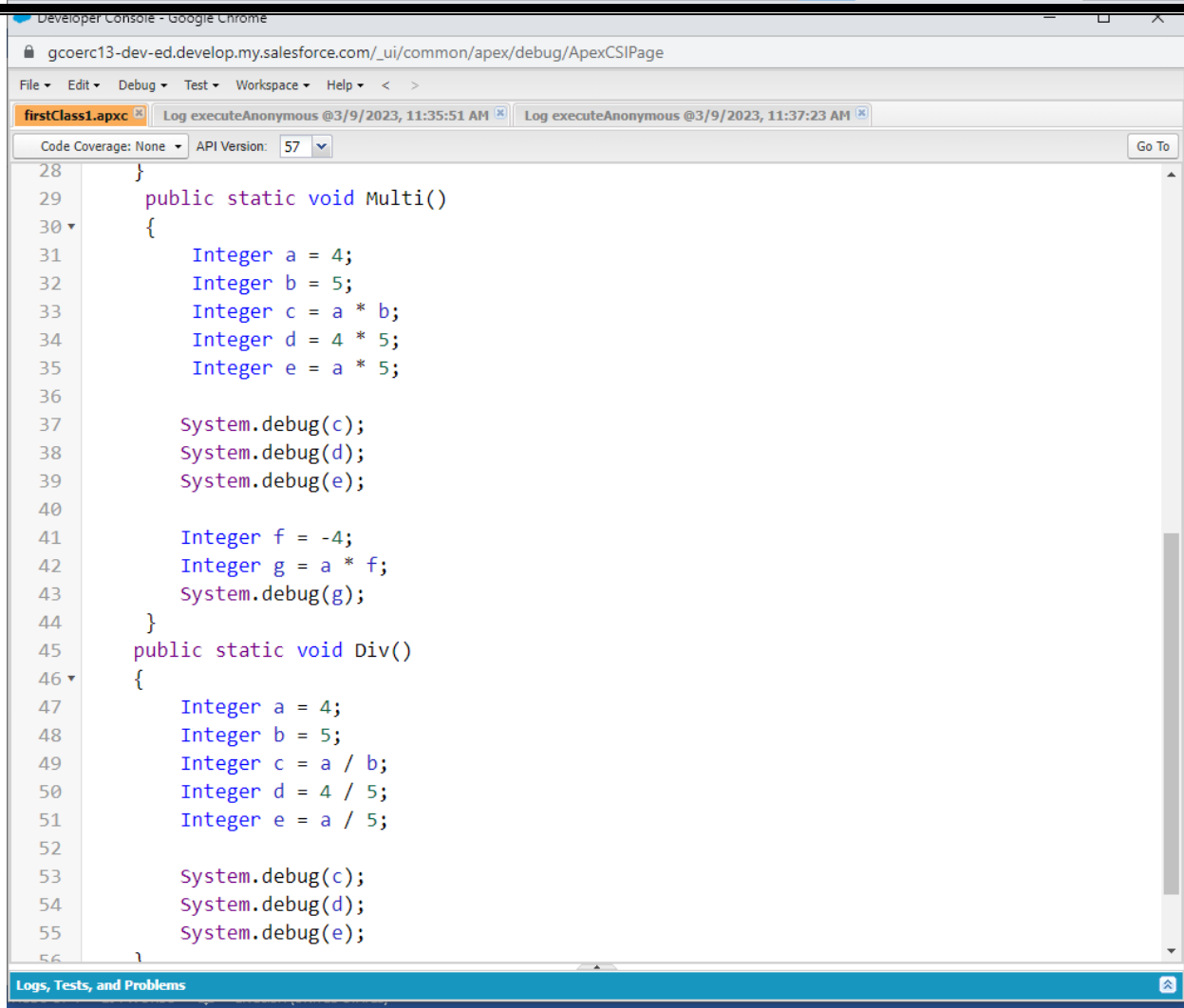


```

Developer Console - Google Chrome
gcoerc13-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
File Edit Debug Test Workspace Help < >
firstClass1.apxc Log executeAnonymous @3/9/2023, 11:35:51 AM Log executeAnonymous @3/9/2023, 11:37:23 AM
Code Coverage: None API Version: 57 Go To

1 public class firstClass1 {
2     public static void Addition()
3     {
4         Integer a = 4;
5         Integer b = 5;
6         Integer c = a + b;
7         Integer d = 4 + 5;
8         Integer e = a + 5;
9         System.debug('Add = ' + c);
10        System.debug('Add = ' + d);
11        System.debug('Add = ' + e);
12    }
13    public static void Subtraction()
14    {
15
16
17        Integer a = 4;
18        Integer b = 5;
19        Integer c1 = a - b;
20        Integer d1 = b - a;
21        Integer e1 = 4 - 5;
22        Integer f1 = a - 5;
23
24        System.debug('Sub =' + c1);
25        System.debug('Sub =' + d1);
26        System.debug('Sub =' + e1);
27        System.debug('Sub =' + f1);
28    }

```



The screenshot shows the Salesforce Developer Console interface. The top bar indicates the user is logged in as 'gcoerc13-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage'. The main editor displays the code for 'firstClass1.apxc'. The code includes two static methods: 'Multi()' and 'Div()'. The 'Multi()' method calculates the product of integers a, b, c, d, and e. The 'Div()' method calculates the quotient of integers a, b, c, d, and e. Both methods use 'System.debug()' to log the results. The bottom status bar shows 'Logs, Tests, and Problems'.

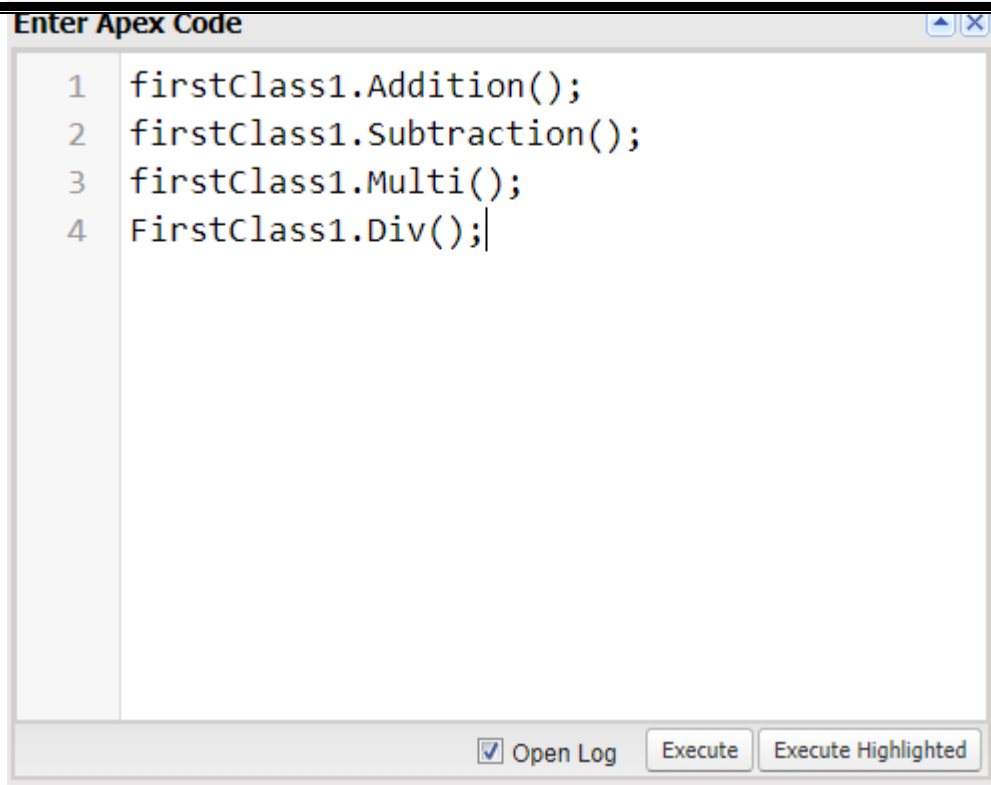
```
28 }
29 public static void Multi()
30 {
31     Integer a = 4;
32     Integer b = 5;
33     Integer c = a * b;
34     Integer d = 4 * 5;
35     Integer e = a * 5;
36
37     System.debug(c);
38     System.debug(d);
39     System.debug(e);
40
41     Integer f = -4;
42     Integer g = a * f;
43     System.debug(g);
44 }
45 public static void Div()
46 {
47     Integer a = 4;
48     Integer b = 5;
49     Integer c = a / b;
50     Integer d = 4 / 5;
51     Integer e = a / 5;
52
53     System.debug(c);
54     System.debug(d);
55     System.debug(e);
56 }
```

3. Click on Debug ---> Open Execute Anonymous Window

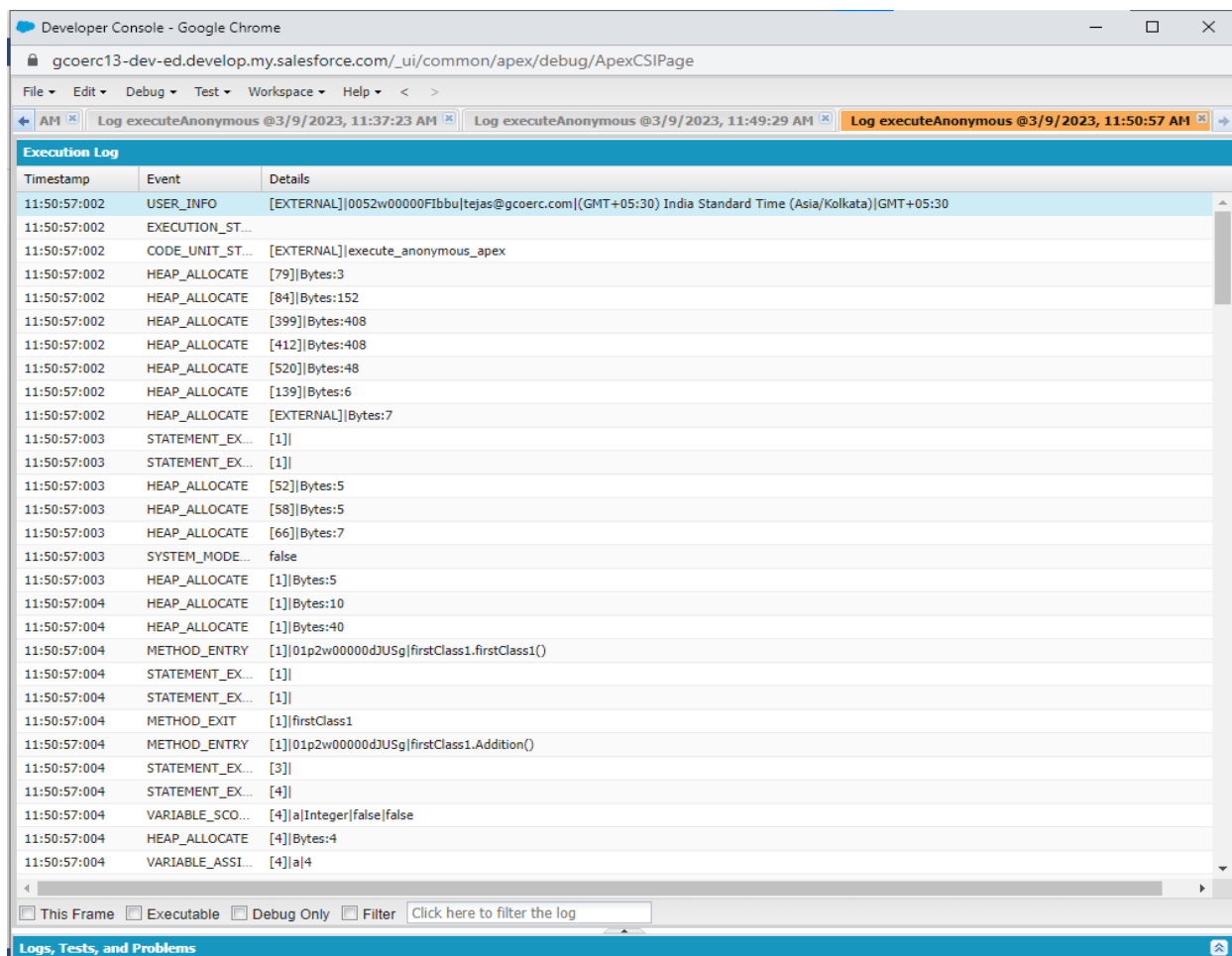
4. Type below code(Apex Code)

```
firstClass1.Addition();
firstClass1.Subtaction();
firstClass1.Multi();
firstClass1.Div();
```

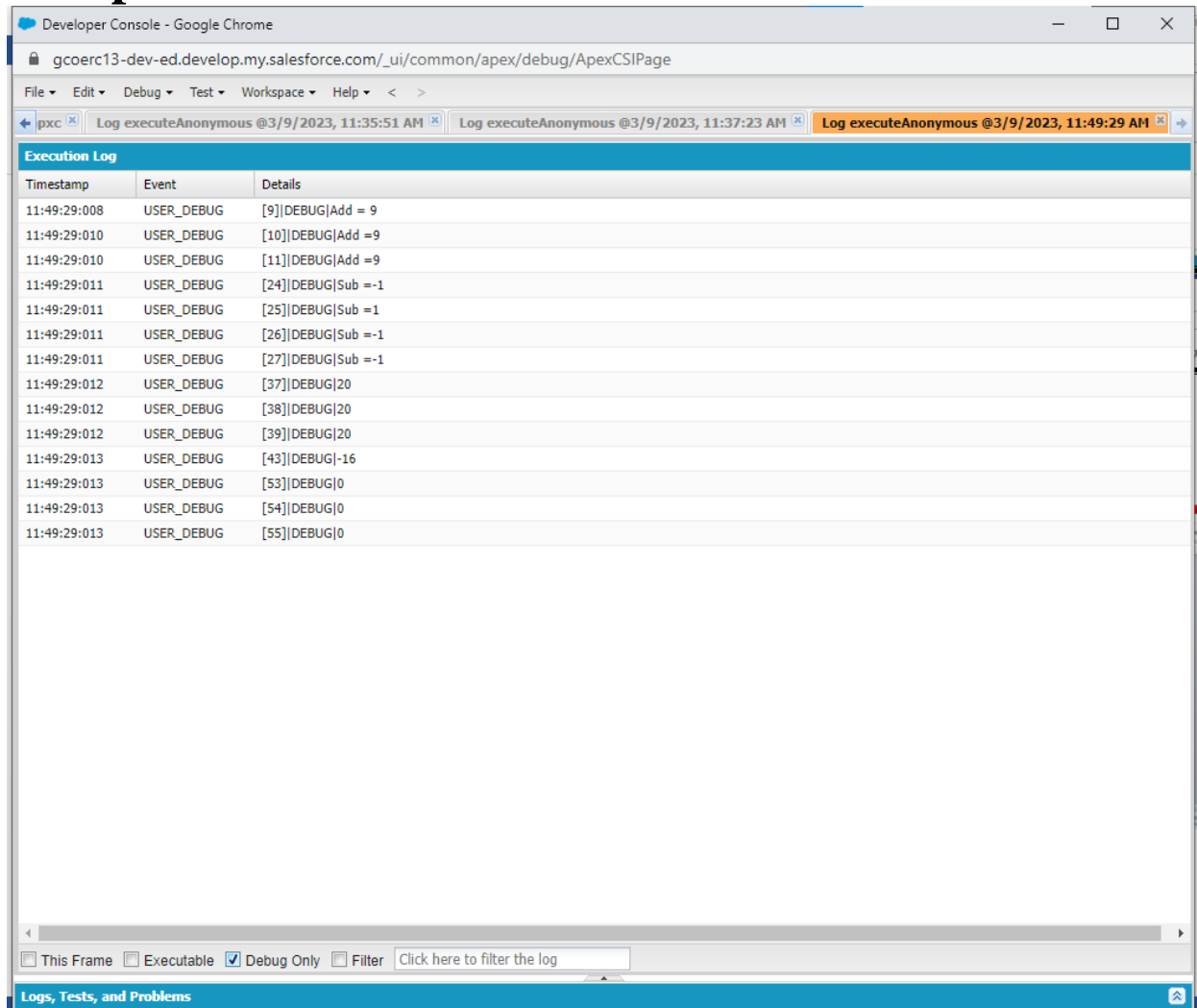
5. Click on Open log then Execute code



## 6. Click on Debug only (You will get output)



## Output :



Developer Console - Google Chrome

gcoerc13-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help < >

pxc Log executeAnonymous @3/9/2023, 11:35:51 AM Log executeAnonymous @3/9/2023, 11:37:23 AM Log executeAnonymous @3/9/2023, 11:49:29 AM

### Execution Log

Timestamp	Event	Details
11:49:29:008	USER_DEBUG	[9] DEBUG Add = 9
11:49:29:010	USER_DEBUG	[10] DEBUG Add =9
11:49:29:010	USER_DEBUG	[11] DEBUG Add =9
11:49:29:011	USER_DEBUG	[24] DEBUG Sub =-1
11:49:29:011	USER_DEBUG	[25] DEBUG Sub =1
11:49:29:011	USER_DEBUG	[26] DEBUG Sub =-1
11:49:29:011	USER_DEBUG	[27] DEBUG Sub =-1
11:49:29:012	USER_DEBUG	[37] DEBUG 20
11:49:29:012	USER_DEBUG	[38] DEBUG 20
11:49:29:012	USER_DEBUG	[39] DEBUG 20
11:49:29:013	USER_DEBUG	[43] DEBUG -16
11:49:29:013	USER_DEBUG	[53] DEBUG 0
11:49:29:013	USER_DEBUG	[54] DEBUG 0
11:49:29:013	USER_DEBUG	[55] DEBUG 0

☐ This Frame ☐ Executable ☒ Debug Only ☐ Filter [Click here to filter the log](#)

Logs, Tests, and Problems