

## PRACTICAL NO : 03

**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>

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

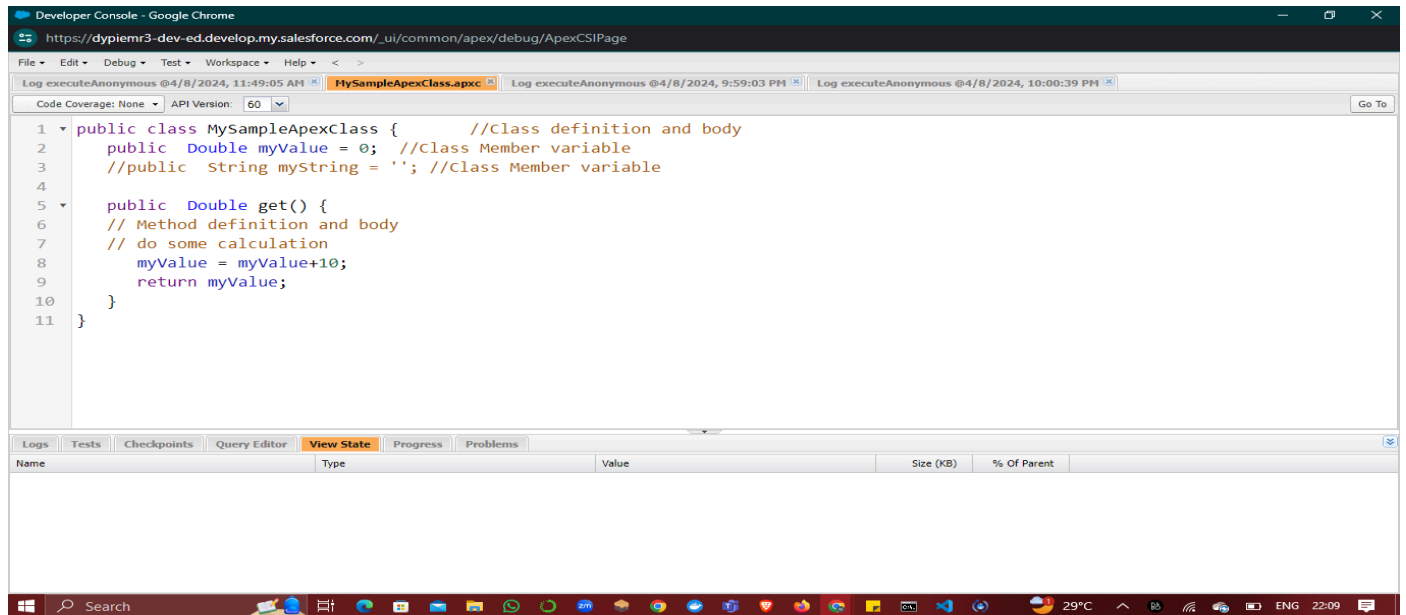
<https://login.salesforce.com/>

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

1. Open Developer Console
2. File ---> New ---> Select Apex Class(enter name to apex class and save CIt+s)
- 3.Type below mentioned code

```
public class MySampleApexClass {    //Class definition and body
    public Double myValue = 0; //Class Member variable
    //public String myString = ""; //Class Member variable

    public Double get() {
        // Method definition and body
        // do some calculation
        myValue = myValue+10;
        return myValue;
    }
}
```



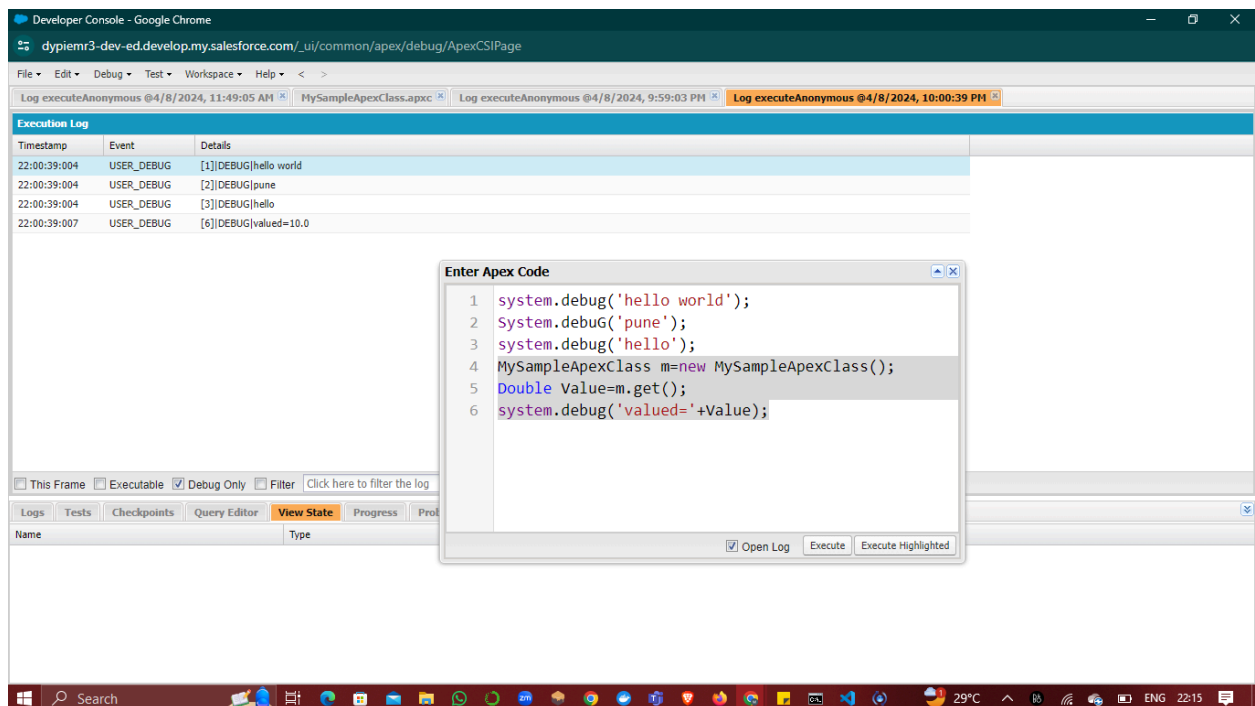
4. Click on Debug ---> Open Execute Anonymous Window

5. Type below code(Apex Code)

```

MySampleApexClass m=new MySampleApexClass();
Double Value=m.get();
system.debug('valued='+Value);

```



6. Click on Open log then Execute code

7. Click on Debug only (You will get output)

Developer Console - Google Chrome

dypiemr3-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help < >

teAnonymous @4/8/2024, 11:49:05 AM MySampleApexClass.apxc Log executeAnonymous @4/8/2024, 9:59:03 PM Log executeAnonymous @4/8/2024, 10:00:39 PM Log executeAnonymous @4/8/2024, 10:17:11 PM

Execution Log

Timestamp	Event	Details
22:17:11:001	USER_INFO	[EXTERNAL] 005GA00000ACOh6 manishakdyp5@gmail.com (GMT+05:30) India Standard Time (Asia/Kolkata) GMT+05:30
22:17:11:001	EXECUTION_ST...	
22:17:11:001	CODE_UNIT_ST...	[EXTERNAL] execute_anonymous_apex
22:17:11:001	VARIABLE_SCO...	[5] Value Double false false
22:17:11:002	VARIABLE_SCO...	[4] m MySampleApexClass true false
22:17:11:002	HEAP_ALLOCATE	[79] Bytes:3
22:17:11:002	HEAP_ALLOCATE	[84] Bytes:152
22:17:11:002	HEAP_ALLOCATE	[399] Bytes:408
22:17:11:002	HEAP_ALLOCATE	[412] Bytes:408
22:17:11:002	HEAP_ALLOCATE	[520] Bytes:48
22:17:11:002	HEAP_ALLOCATE	[139] Bytes:6
22:17:11:002	HEAP_ALLOCATE	[EXTERNAL] Bytes:11
22:17:11:002	STATEMENT_EX...	[1]
22:17:11:002	STATEMENT_EX...	[1]
22:17:11:002	HEAP_ALLOCATE	[1] Bytes:11
22:17:11:003	HEAP_ALLOCATE	[52] Bytes:5

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

Logs Tests Checkpoints Query Editor View State Progress Problems

Name	Type	Value	Size (KB)	% Of Parent
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Developer Console - Google Chrome

dypiemr3-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help < >

teAnonymous @4/8/2024, 11:49:05 AM MySampleApexClass.apxc Log executeAnonymous @4/8/2024, 9:59:03 PM Log executeAnonymous @4/8/2024, 10:00:39 PM Log executeAnonymous @4/8/2024, 10:17:11 PM

Execution Log

Timestamp	Event	Details
22:17:11:003	USER_DEBUG	[1] DEBUG hello world
22:17:11:003	USER_DEBUG	[2] DEBUG pune
22:17:11:003	USER_DEBUG	[3] DEBUG hello
22:17:11:006	USER_DEBUG	[6] DEBUG valued=10.0

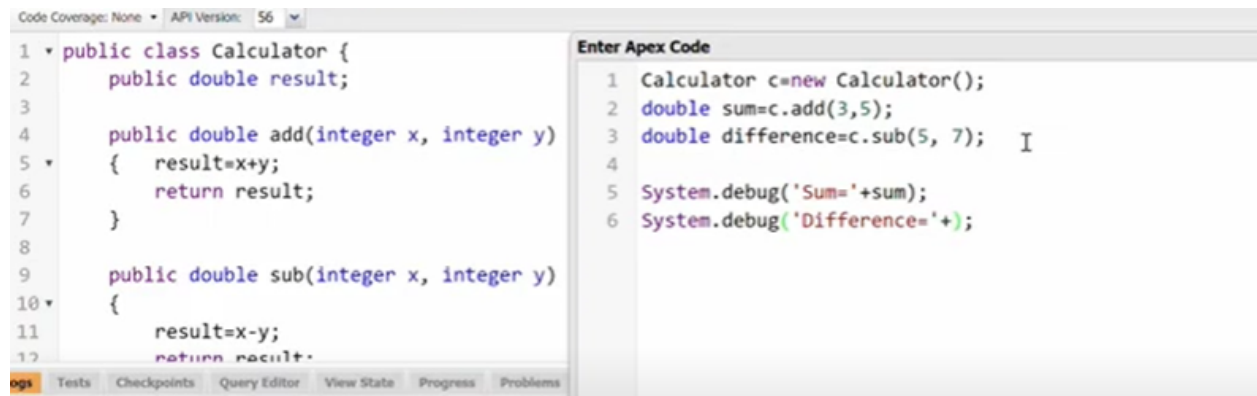
☐ This Frame ☐ Executable ☒ Debug Only ☐ Filter [Click here to filter the log](#)

Logs Tests Checkpoints Query Editor View State Progress Problems

Name	Type	Value	Size (KB)	% Of Parent
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Thank You!!!!

## Apex Sample Code



The screenshot displays the Salesforce IDE interface. The left pane shows the source code for a class named `Calculator`. The right pane, titled "Enter Apex Code", shows a test class that instantiates the `Calculator` class and calls its `add` and `sub` methods, with debug statements to verify the results.

```
Code Coverage: None | API Version: 56
```

```
1 public class Calculator {
2     public double result;
3
4     public double add(integer x, integer y)
5     {
6         result=x+y;
7         return result;
8     }
9
10    public double sub(integer x, integer y)
11    {
12        result=x-y;
13        return result;
14    }
15 }
```

```
Enter Apex Code
1 Calculator c=new Calculator();
2 double sum=c.add(3,5);
3 double difference=c.sub(5, 7);
4
5 System.debug('Sum='+sum);
6 System.debug('Difference='+difference);
```

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