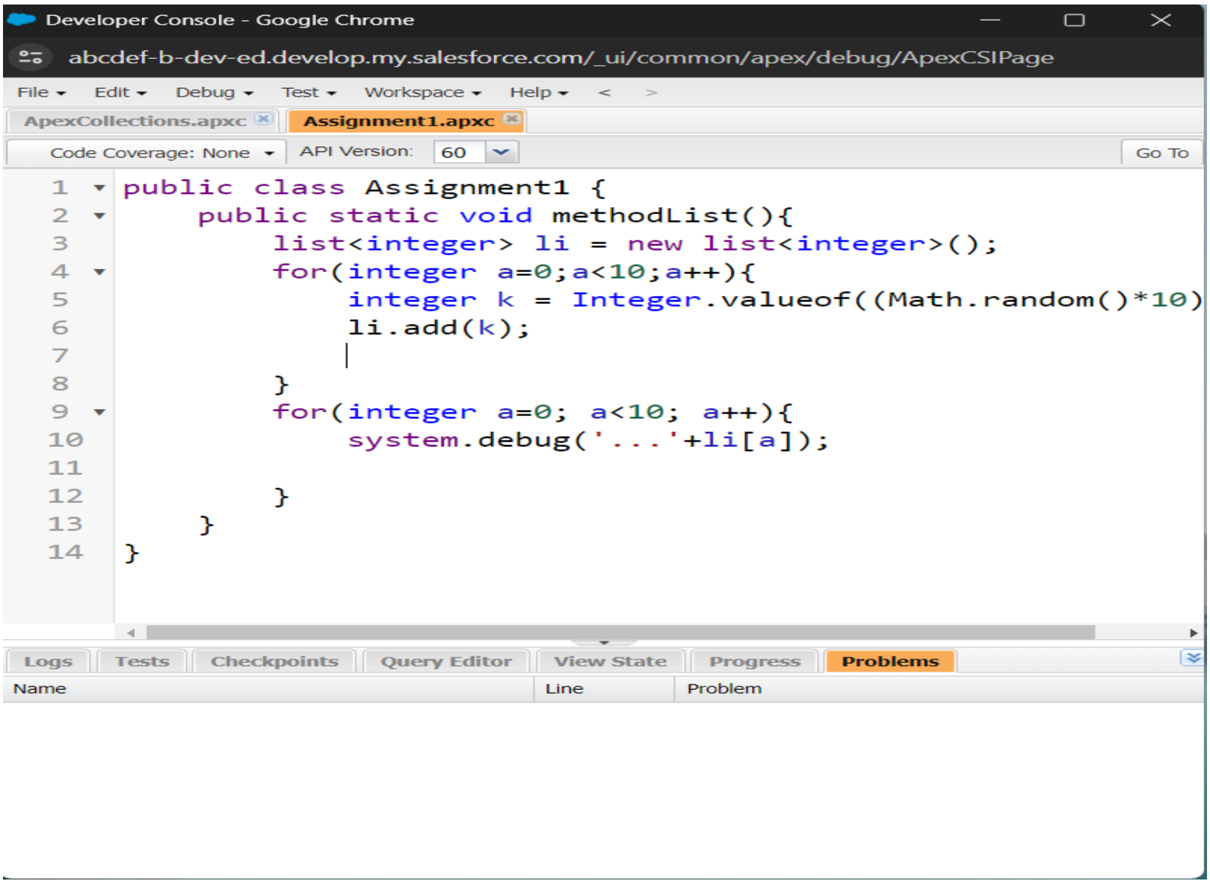
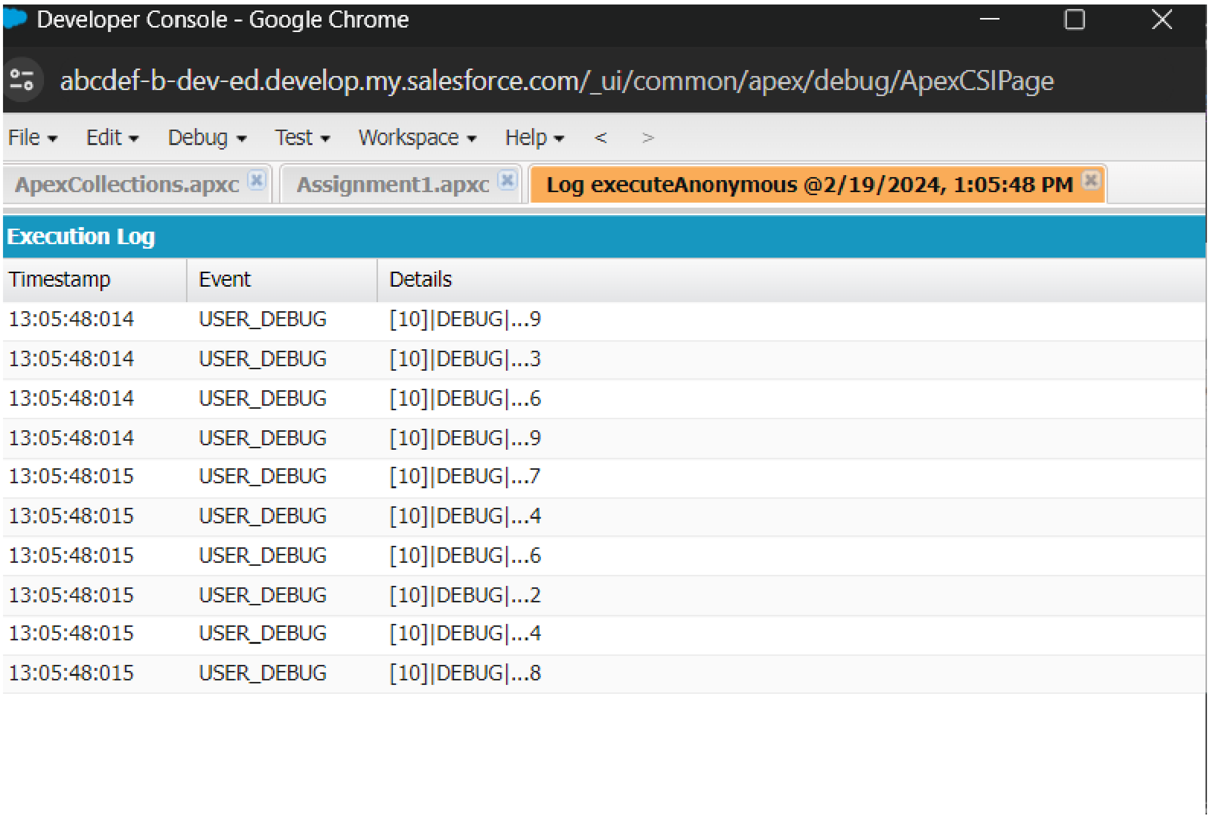
Collection and SOQL Assignment

- Add the values to the list



```
public class Assignment1 {
    public static void methodList(){
        list<integer> li = new list<integer>();
        for(integer a=0;a<10;a++){
            integer k = Integer.valueof((Math.random()*10)
            li.add(k);
            
        }
        for(integer a=0; a<10; a++){
            system.debug('...'+li[a]);
            
        }
    }
}
```



Developer Console - Google Chrome
abcdef-b-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
File
Edit
Debug
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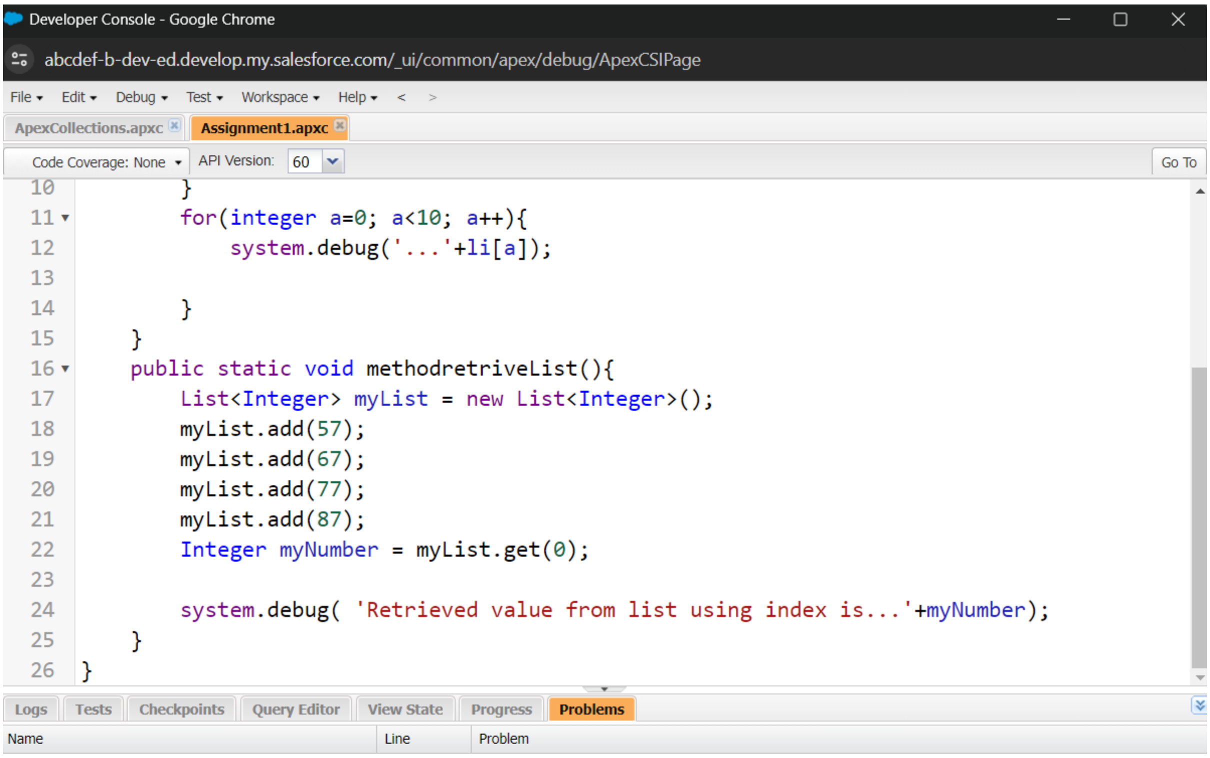
Workspace
Help
ApexCollections.apxc
Assignment1.apxc
Log executeAnonymous @2/19/2024, 1:05:48 PM

Execution Log

Timestamp	Event	Details
13:05:48:014	USER_DEBUG	[10]|DEBUG|...9
13:05:48:014	USER_DEBUG	[10]|DEBUG|...3
13:05:48:014	USER_DEBUG	[10]|DEBUG|...6
13:05:48:014	USER_DEBUG	[10]|DEBUG|...9
13:05:48:015	USER_DEBUG	[10]|DEBUG|...7
13:05:48:015	USER_DEBUG	[10]|DEBUG|...4
13:05:48:015	USER_DEBUG	[10]|DEBUG|...6
13:05:48:015	USER_DEBUG	[10]|DEBUG|...2
13:05:48:015	USER_DEBUG	[10]|DEBUG|...4
13:05:48:015	USER_DEBUG	[10]|DEBUG|...8

- Retrieve values from list using index.


Developer Console - Google Chrome
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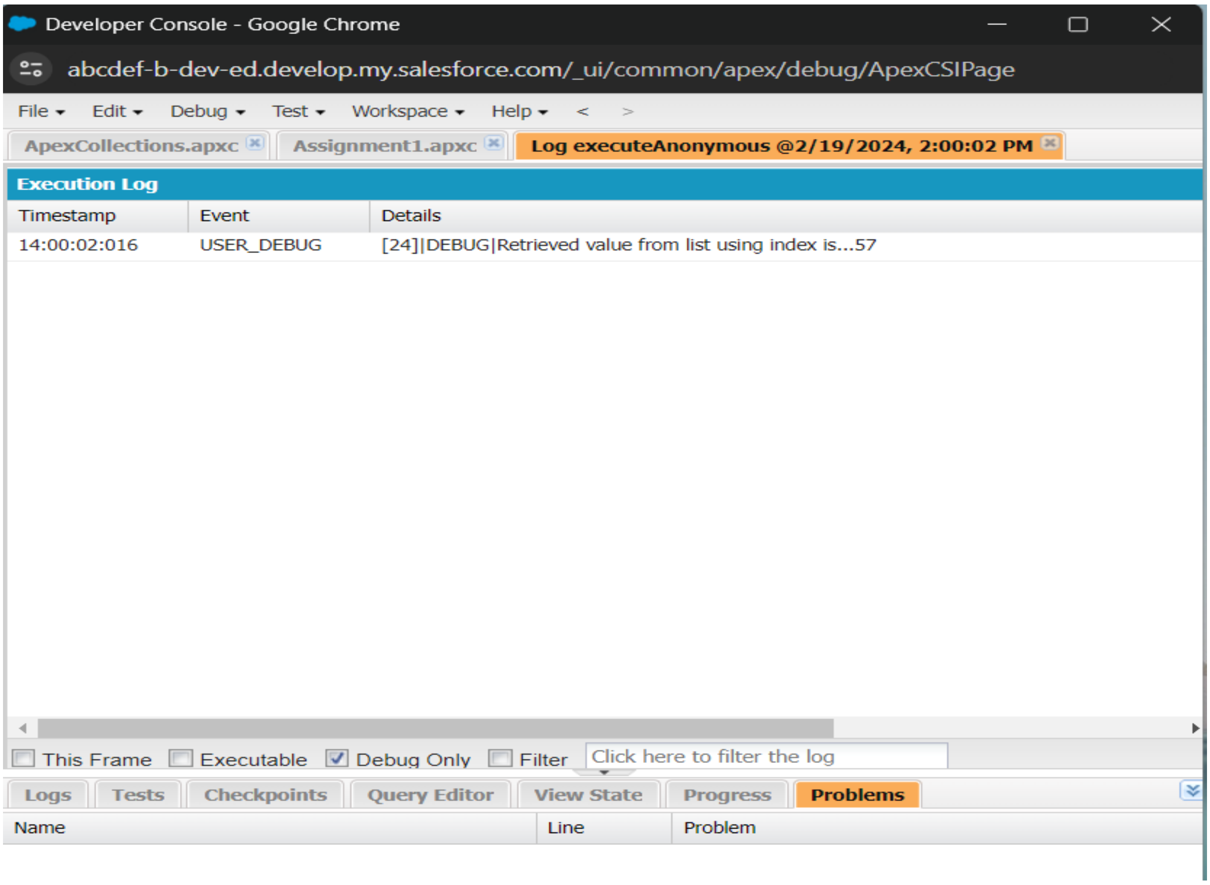
File Edit Debug Test Workspace Help < >
ApexCollections.apxc
Assignment1.apxc
Code Coverage: None
API Version: 60
Go To
Logs Tests Checkpoints Query Editor View State Progress Problems
Name Line Problem

```
        }
        for(integer a=0; a<10; a++){
            system.debug('...'+li[a]);

        }
    }
    public static void methodretriveList(){
        List<Integer> myList = new List<Integer>();
        myList.add(57);
        myList.add(67);
        myList.add(77);
        myList.add(87);
        Integer myNumber = myList.get(0);

        system.debug( 'Retrieved value from list using index is...'+myNumber);
    }
}
```


Developer Console - Google Chrome
abcdef-b-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
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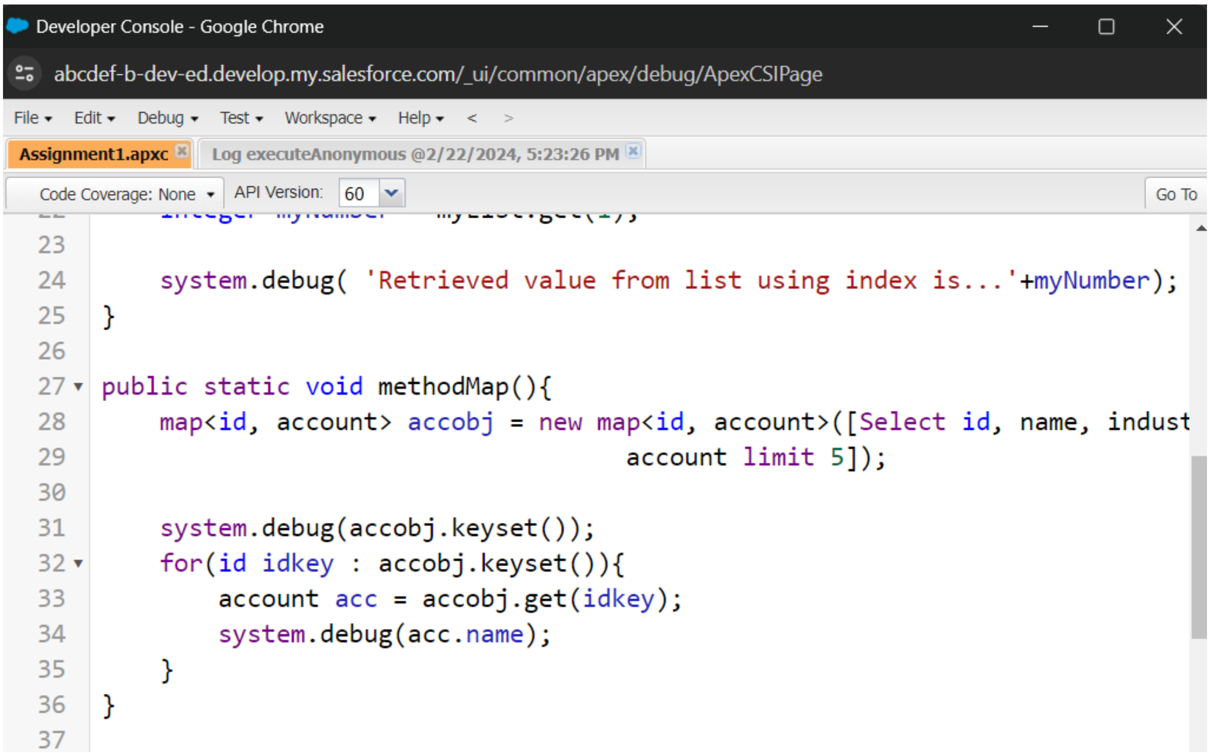
ApexCollections.apxc
Assignment1.apxc
Log executeAnonymous @2/19/2024, 2:00:02 PM
Execution Log
☐ This Frame ☐ Executable ☑ Debug Only ☐ Filter
Click here to filter the log
Logs Tests Checkpoints Query Editor View State Progress Problems
Name Line Problem

Timestamp	Event	Details
14:00:02:016	USER_DEBUG	[24]|DEBUG|Retrieved value from list using index is...57

- Create a map of Account Ids and Account objects.


Developer Console - Google Chrome
abcdef-b-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
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Assignment1.apxc
Log executeAnonymous @2/22/2024, 5:23:26 PM
Code Coverage: None ▾ API Version: 60
Go To

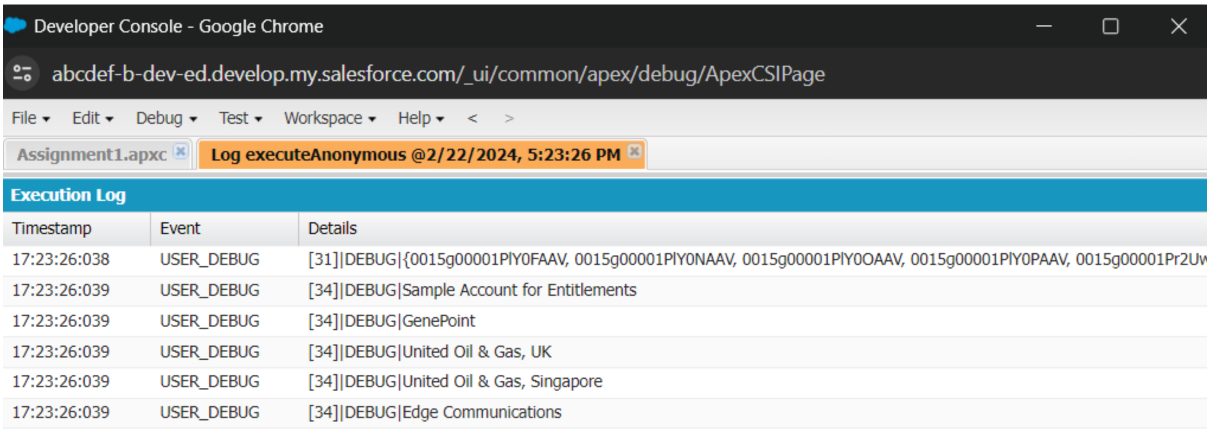
```
    integer myNumber = myList.get(1);

    system.debug( 'Retrieved value from list using index is...'+myNumber);
}

public static void methodMap(){
    map<id, account> accobj = new map<id, account>([Select id, name, indust
                                                    account limit 5]);

    system.debug(accobj.keyset());
    for(id idkey : accobj.keyset()){
        account acc = accobj.get(idkey);
        system.debug(acc.name);
    }
}

```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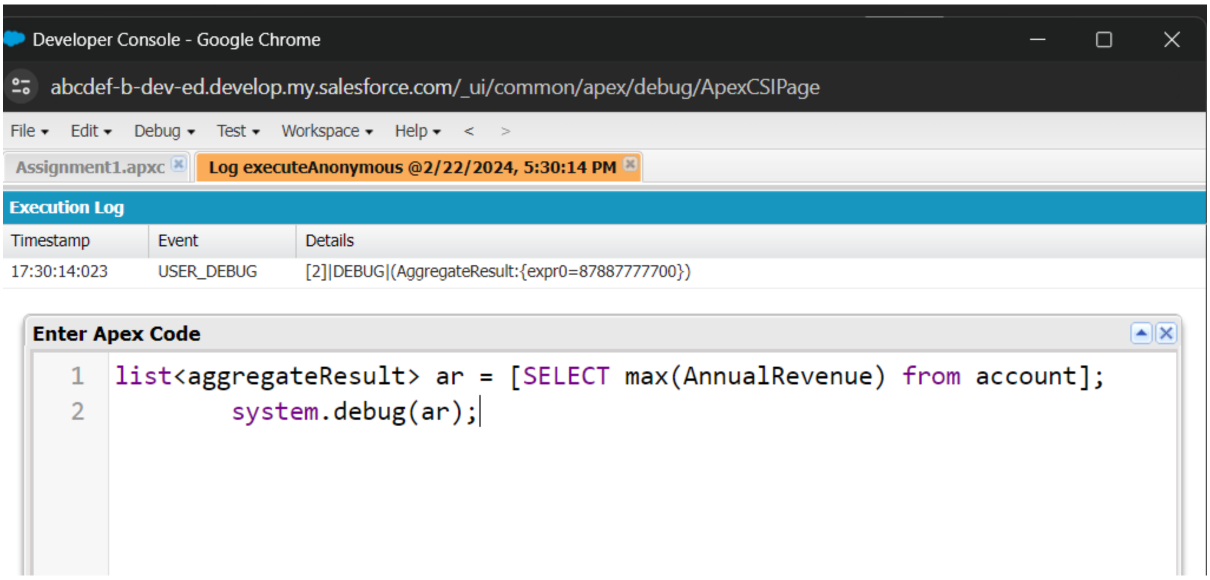
Assignment1.apxc
Log executeAnonymous @2/22/2024, 5:23:26 PM
Execution Log

```
Timestamp      Event       Details
17:23:26:038   USER_DEBUG  [31]|DEBUG|{0015g00001PlY0FAAV, 0015g00001PlY0NAAV, 0015g00001PlY0OAAV, 0015g00001PlY0PAAV, 0015g00001Pr2Uw
17:23:26:039   USER_DEBUG  [34]|DEBUG|Sample Account for Entitlements
17:23:26:039   USER_DEBUG  [34]|DEBUG|GenePoint
17:23:26:039   USER_DEBUG  [34]|DEBUG|United Oil & Gas, UK
17:23:26:039   USER_DEBUG  [34]|DEBUG|United Oil & Gas, Singapore
17:23:26:039   USER_DEBUG  [34]|DEBUG|Edge Communications
```

- Write an example of aggregate functions without using a GROUP BY clause.


Developer Console - Google Chrome
abcdef-b-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
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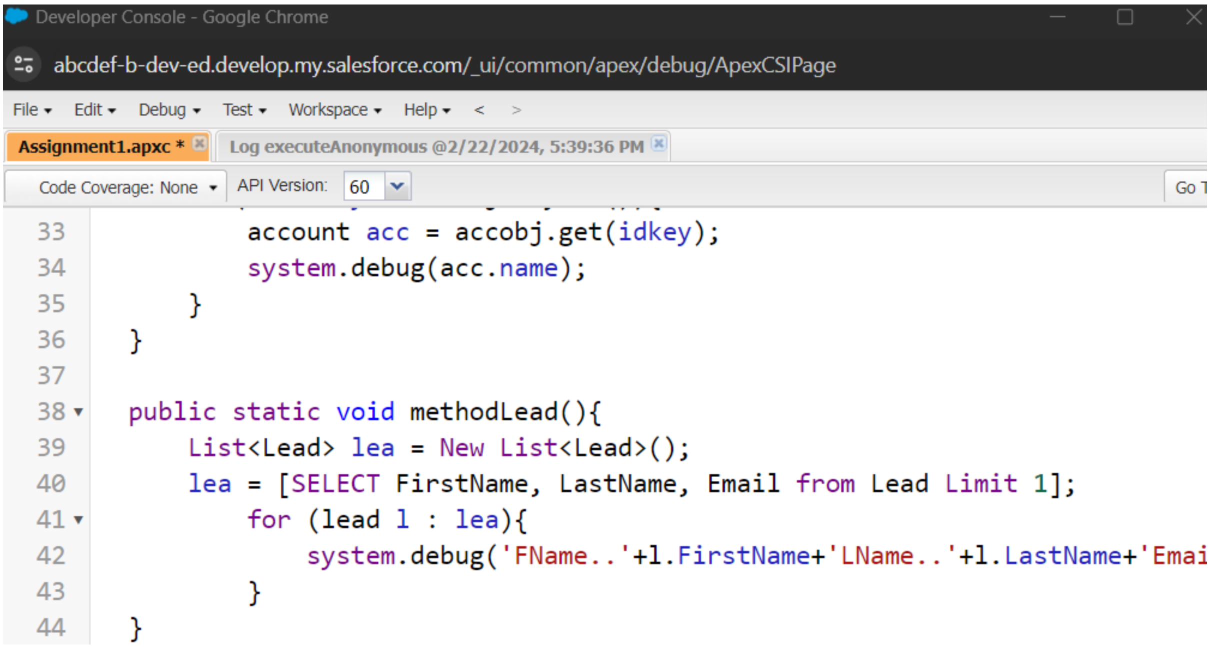
Assignment1.apxc
Log executeAnonymous @2/22/2024, 5:30:14 PM
Execution Log
Enter Apex Code

Timestamp	Event	Details
17:30:14:023	USER_DEBUG	[2]|DEBUG|(AggregateResult:{expr0=87887777700})

```
list<aggregateResult> ar = [SELECT max(AnnualRevenue) from account];
        system.debug(ar);
```

- Write an example Using SOQL Queries That Return One Record


Developer Console - Google Chrome
abcdef-b-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
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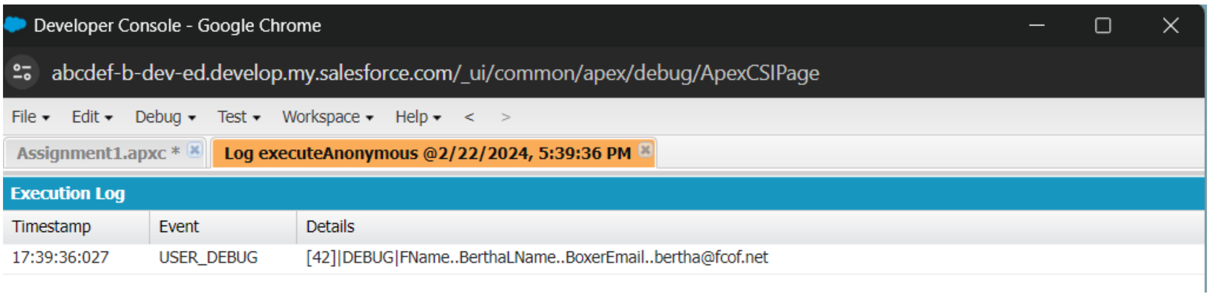
Assignment1.apxc *
Log executeAnonymous @2/22/2024, 5:39:36 PM
Code Coverage: None ▾
API Version: 60
Go T

```
            account acc = accobj.get(idkey);
            system.debug(acc.name);
        }
    }

    public static void methodLead(){
        List<Lead> lea = New List<Lead>();
        lea = [SELECT FirstName, LastName, Email from Lead Limit 1];
            for (lead l : lea){
                system.debug('FName..'+l.FirstName+'LName..'+l.LastName+'Emai
            }
    }
```


Developer Console - Google Chrome
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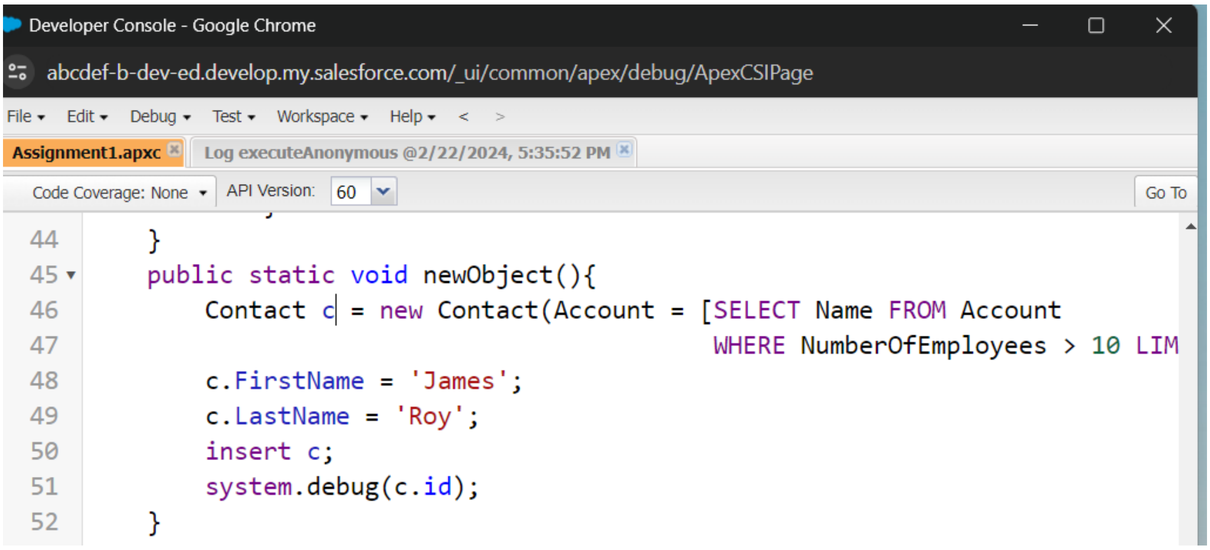
Assignment1.apxc *
Log executeAnonymous @2/22/2024, 5:39:36 PM
Execution Log

Timestamp	Event	Details
17:39:36:027	USER_DEBUG	[42]|DEBUG|FName..BerthaLName..BoxerEmail..bertha@fcof.net

- Create new objects from SOQL queries on existing ones.


Developer Console - Google Chrome
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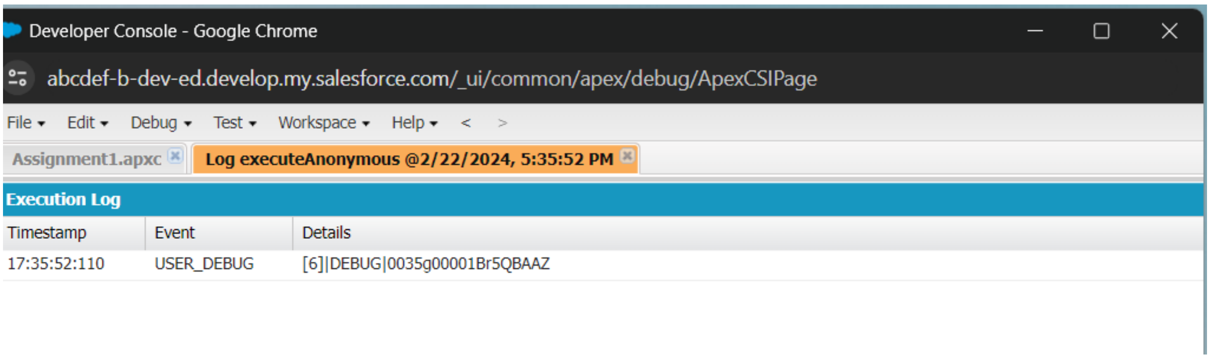
Workspace
Help
Assignment1.apxc
Log executeAnonymous @2/22/2024, 5:35:52 PM
Code Coverage: None
API Version: 60
Go To

```
    }
    public static void newObject(){
        Contact c = new Contact(Account = [SELECT Name FROM Account
                                           WHERE NumberOfEmployees > 10 LIM

        c.FirstName = 'James';
        c.LastName = 'Roy';
        insert c;
        system.debug(c.id);
    }
```


Developer Console - Google Chrome
abcdef-b-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
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Workspace
Help
Assignment1.apxc
Log executeAnonymous @2/22/2024, 5:35:52 PM
Execution Log

```
Timestamp      Event         Details
17:35:52:110   USER_DEBUG    [6]|DEBUG|0035g00001Br5QBAAZ
```