Collections and SOQL Assignments

• Add the Values to the List

```
Code Coverage: None ▼ API Version: 62 ▼
1 ▼ public class ApexList {
        public static void apexList(){
3 ▼
            List<String> myList = new List<String>();
5
            myList.add('Puja');
6
            myList.add('Nidhi');
7
            myList.add('Nisha');
            myList.add('Vikash');
8
9
            myList.add('Rakesh');
            system.debug(myList);
10
11
        }
12
13
   }
```

		55 T
Execution Log		
Timestamp	Event	Details
11:36:45:015	USER_DEBUG	[10] DEBUG (Puja, Nidhi, Nisha, Vikash, Rakesh)

• Retrieve values from list using index.

```
public class ApexList {
   public static void apexList(){
// Create a list of strings
       List<String> cityList = new List<String>();
       cityList.add('Delhi');
       cityList.add('Bangalore');
       cityList.add('Patna');
       cityList.add('Pune');
       cityList.add('Mumbai');
       system.debug(cityList);
// Retrieve values from the list using their index
        string firstcity = cityList[0];
        string thirdcity = cityList[2];
       String lastCity = cityList[cityList.size() - 1];
// Display the retrieved values
        system.debug('First City is --> ' +firstcity);
        system.debug('Third city is --> ' +thirdcity);
       system.debug('Last city is --> ' +lastCity);
```

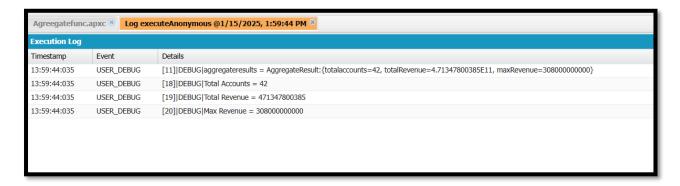
		99 7 7		
Execution Log				
Timestamp	Event	Details		
11:47:13:018	USER_DEBUG	[11] DEBUG (Delhi, Bangalore, Patna, Pune, Mumbai)		
11:47:13:018	USER_DEBUG	[19] DEBUG First City is> Delhi		
11:47:13:018	USER_DEBUG	[20] DEBUG Third city is> Patna		
11:47:13:018	USER_DEBUG	[21] DEBUG Last city is> Mumbai		

• Create a map of Accounts Ids and Accounts Objects.

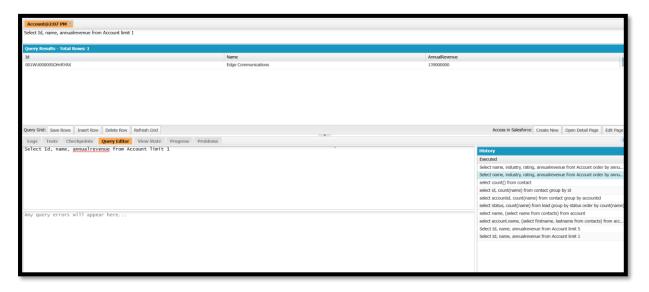
```
mailupdate.apxt 🗷 AccountTrigger.apxt 🕱 ApexMap.apxc 🛪 Log executeAnonymous @1/15/2025, 12:18:04 PM 🕱
Code Coverage: None ▼ API Version: 62 ▼
1 ▼ public class ApexMap {
         public static void apexmap(){
5 // Create a map of Account IDs and Account objects
              Map<Id,Account> accountMap = new Map<Id,Account>([Select Id, name, Industry from Account]);
8
    // Iterating through the map and print each entry
10 🔻
              for(Id accountID : accountMap.keyset()){
                   Account acc = accountMap.get(accountID);
system.debug('Account Id --> ' +acc.Id);
system.debug('Account Name --> ' +acc.Name);
11
12
13
                   system.debug('Account Industry --> ' +acc.Industry);
14
15
16
         }
17
18 }
```

omailundate ar	Account T	rigger.apxt 🗷 ApexMap.apxc 🕱 Log executeAnonymous @1/15/2025, 12:18:04 PM 🛣			
Timestamp	Event	Details			
12:18:04:034	USER DEBUG	[7] DEBUG Account Id> 001WU00000SOHrRYAX			
12:18:04:034	USER DEBUG	[8] DEBUG Account Name> Edge Communications			
12:18:04:034	-				
	USER_DEBUG	[9] DEBUG Account Industry> Electronics			
12:18:04:034	USER_DEBUG	[7] DEBUG Account Id> 001WU0000SOHrSYAX			
12:18:04:034	USER_DEBUG	[8] DEBUG Account Name> Burlington Textiles Corp of America			
12:18:04:034	USER_DEBUG	[9] DEBUG Account Industry> Banking			
12:18:04:034	USER_DEBUG	[7] DEBUG Account Id> 001WU00000SOHrTYAX			
12:18:04:034	USER_DEBUG	[8] DEBUG Account Name> Pyramid Construction Inc.			
12:18:04:034	USER_DEBUG	[9] DEBUG Account Industry> Construction			
12:18:04:034	USER_DEBUG	[7] DEBUG Account Id> 001WU00000SOHrUYAX			
12:18:04:034	USER_DEBUG	[8] DEBUG Account Name> Dickenson plc			
12:18:04:034	USER_DEBUG	[9] DEBUG Account Industry> Consulting			
12:18:04:035	USER_DEBUG	[7] DEBUG Account Id> 001WU00000SOHrVYAX			
12:18:04:035	USER_DEBUG	[8] DEBUG Account Name> Grand Hotels & Resorts Ltd			
12:18:04:035	USER_DEBUG	[9] DEBUG Account Industry> Hospitality			
12:18:04:035	USER_DEBUG	[7] DEBUG Account Id> 001WU00000SOHrWYAX			
12:18:04:035	USER_DEBUG	[8] DEBUG Account Name> United Oil & Gas Corp.			
12:18:04:035	USER_DEBUG	[9] DEBUG Account Industry> Energy			
12:18:04:035	USER_DEBUG	[7] DEBUG Account Id> 001WU00000SOHrXYAX			
12:18:04:035	USER_DEBUG	[8] DEBUG Account Name> Express Logistics and Transport			
12:18:04:035	USER_DEBUG	[9] DEBUG Account Industry> Transportation			
12:18:04:035	USER_DEBUG	[7] DEBUG Account Id> 001WU00000SOHrYYAX			
12:18:04:035	USER_DEBUG	[8] DEBUG Account Name> University of Arizona			
12:18:04:035	USER_DEBUG	[9] DEBUG Account Industry> Education			
12:18:04:035	USER_DEBUG	[7] DEBUG Account Id> 001WU00000SOHrZYAX			
12:18:04:035	USER_DEBUG	[8] DEBUG Account Name> United Oil & Gas, UK			
12:18:04:035	USER_DEBUG	[9] DEBUG Account Industry> Energy			
4					
☐ This Frame ☐ Executable ☑ Debug Only ☐ Filter Click here to filter the log					

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



• Write an Example using SOQL Queries That Run One Record.



• Create a new Object from SOQL Queries on existing ones.

```
e ▼ Edit ▼ Debug ▼ Test ▼ Workspace ▼ Help ▼
   Object.apxc Log executeAnony
 Code Coverage: None + API Version: 62 -
  1 ▼ public class newObject {
          public static void newobject(){
               List<Account> existingAccount = [Select Id, name, AnnualRevenue From Account Where AnnualRevenue > 100000];
                List<Contact> newContact = new List<Contact>();
                for(Account acc : existingAccount){
                    Contact con = new Contact(LastName = acc.Name + '__Contact', AccountId = acc.Id);
                    newContact.add(con);
                insert newContact;
 10
                system.debug('New Contacts :');
 11 •
                for(Contact con : newContact){
                    system.debug('Contacts :');
system.debug('LastName : ' +con.LastName);
system.debug('AccountID : ' +con.AccountId);
 12
 13
 14
 15
 16
          }
 17
Logs Tests Checkpoints Query Editor View State Progress Problems
```

