

SOQL

1. Query on all Contact records and add them to the List. Print that contents of this list.
2. Write a SOQL query to retrieve/print all active Users. Prepare a Map having User Id as key and User record as value.
(Hint : Map<Id,User>)
3. Prepare the following map structures :
 - a. Account Name as key and AccountId as value.
 - b. Account Id as key and entire Account object as value.
4. Create a multi-select picklist on Account object called as 'Enrollment Year' with values - 2010, 2011, 2012, 2013, 2014, 2015 and 2016. Get all account records where in selected 'Enrollment Year' is:
 - a. 2010
 - b. 2013 and 2014
5. Write a SOQL query to find all Account records where 'Billing State' is not 'Maharashtra' and 'Kerala'. Order the results by Billing State in descending order with null values at the end. Display first 10,000 records only. NOTE: do not use AND operator.
6. Write a SOQL query to display 100 opportunity records with amount greater than 10,000 order by created date. Skip first 50 records and include records from recycle bin.

Aggregate Functions

1. Write a SOQL query to retrieve sum of all closed Opportunity amount for current fiscal year. Store this information in a map with key as year and value as sum of amount. Iterate this map to display statistics.
2. Find total number of distinct Lead records on basis of 'Lead Source' having greater than 10 leads. Print this information.
3. Write a SOQL query to find total number of Lead records by status by Lead Source. Store this information in map and display the same.
(Hint: map<string,map<string,integer>>)

Relationship query:

1. Create a custom object 'A', 'B' and 'C'. Establish 'Master Detail' relationship between them such that 'C' is junction object.

Child to Parent

1. Write a SOQL query on Contact to retrieve all active contacts belonging to 'media' Industry. Also display the name of the account to which it is associated to.
2. Write SOQL query on 'C'(created above) to retrieve all records of 'C' with name 'John' along with parent details.

Parent to Child

1. Write a SOQL query on Account and find all associated contact records of the Account which contains the word 'John'. Print all Account and Contact records retrieved above.
2. Write a SOQL query to find all Account records which have at least an opportunity record which is 'Closed Won'.
3. Write a SOQL query on 'A' and retrieve all parents with all their child records where in child name is 'John'.

SOSL

1. Find the word 'test' in all name fields returning Contact, Account, Lead and User.

2. Describe SOSL limits.

DML Operations:

1. Create a custom object called as 'Logs'. Create a long text area field called as 'Error'. Create 100 Lead records using DML operations having a unique name. For all records which were not inserted into Lead object, insert a record in Log object along with the reason why a record was not inserted. Also, execute assignment rules to auto allocate Lead records to correct owner.
2. Delete all inactive Account records created in last 90 days.
3. Create a custom text field on the Asset object named 'Line Item Id' and mark it as an external id.