SOQL QUERIES

1. **Retrieve the names of all Accounts that have both Opportunities and Cases associated with them.**

   SELECT Id, Name FROM Account WHERE Id IN (SELECT AccountId FROM Opportunity) AND Id In (SELECT AccountId FROM Case)

   2.Identify the Opportunities that have not been updated in the last 30 days.
   SELECT Id, Name FROM Opportunity WHERE LastModifiedDate <
   LAST_N_DAYS:30

1. **List the Opportunities that have a Close Date in the current month.**

   SELECT Id, Name FROM Opportunity WHERE ClosedDate = THIS_MONTH

1. **Find the total number of Leads in each Lead Source category.**

   SELECT LeadSource, COUNT(Id)
   FROM Lead
   GROUP BY LeadSource

1. **Retrieve the names of Accounts that have Billing Postal Code starting with "9".**
   SELECT Name
   FROM Account
   WHERE BillingPostalCode Like '9%'

1. **List the Contacts whose Mailing State is not equal to their Billing State**

   SELECT Id, FirstName, LastName, MailingState, Account.BillingState FROM Contact
   WHERE MailingState != NULL AND Account.BillingState != NULL AND
   MailingState != Account.BillingState

1. **Find the Opportunities with a Stage of "Negotiation" and an Amount greater than $100,000.**
   SELECT Name, StageName, Amount, CloseDate FROM Opportunity
   WHERE StageName = 'Negotiation' AND Amount > 100000

1. Retrieve the names of Accounts along with the total amount of all their associated Opportunities.
   SELECT Account.Name, SUM(Amount) FROM Opportunity WHERE AccountId != NULL GROUP BY AccountId

1. Find the Opportunities with a Close Date in the next 14 days and sort them by Close Date in ascending order.
   SELECT Id, Name, CloseDate FROM Opportunity WHERE CloseDate = NEXT_N_DAYS: 7 ORDER BY CloseDate ASC

1. List the Contacts who are related to Opportunities with an Amount greater than the average Opportunity Amount.
   // Step 1: Query to calculate the average Opportunity Amount
   AggregateResult avgResult = [SELECT AVG(Amount) avgAmount FROM Opportunity];
   Decimal avgAmount = (Decimal)avgResult.get('avgAmount');

   // Step 2: Query to get Contacts related to Opportunities with Amount greater than the average
   List<OpportunityContactRole> ocrList = [SELECT ContactId, Contact.FirstName, Contact.LastName
                      FROM OpportunityContactRole
                      WHERE Opportunity.Amount > :avgAmount];

   for (OpportunityContactRole ocr : ocrList) {
      System.debug('Contact Name: ' + ocr.Contact.FirstName + ' ' + ocr.Contact.LastName);
   }

1. Retrieve the top 3 Opportunities with the highest Amount for each Account.
   SELECT MAX(Amount) amount FROM Opportunity GROUP BY AccountId Order By MAX(Amount) DESC LIMIT 3

1. Find the Accounts that have not been modified in the last 60 days.
   SELECT Id, Name FROM Account WHERE LastModifiedDate <= LAST_N_DAYS:60

1. List the Opportunities with a Stage of "Closed/Won" and a Close Date in the last quarter.
   SELECT Name, StageName, CloseDate, Amount FROM Opportunity WHERE StageName = 'Closed/Won' AND CloseDate = LAST_QUARTER

1. Retrieve the names of Accounts along with the total number of Contacts associated with each Account.
   SELECT AccountId, COUNT(Id) FROM Contact GROUP BY AccountId

1. Find the Opportunities created by a specific User.
   SELECT Name, CloseDate, StageName, Amount FROM Opportunity WHERE CreatedById = '0051a000000XYZ'

1. Retrieve the names of Accounts that have at least one Opportunity with a Stage of "Prospecting."
   SELECT Name FROM Account WHERE Id IN (SELECT AccountId FROM Opportunity WHERE StageName = 'Prospecting')

1. Find the Contacts who are associated with Opportunities in the "Closed/Won" stage and have not been contacted in the last 30 days.
   SELECT Id, Name, Email FROM Contact WHERE Id IN (SELECT ContactId FROM OpportunityContactRole WHERE Opportunity.StageName = 'Closed/Won') AND LastModifiedDate < LAST_N_DAYS:30

1. Retrieve the names of Accounts along with the count of Opportunities, grouped by Industry.
   SELECT Account.Industry, Account.Name, COUNT(Id)
   FROM Opportunity
   WHERE Account.Industry != null
   GROUP BY Account.Industry, Account.Name

1. Identify the Opportunities with a Close Date in the next 30 days and an Amount greater than $100,000, sorted by Amount in descending order.
   SELECT Id, Name
   FROM Opportunity
   WHERE CloseDate = NEXT_N_DAYS:30 AND Amount > 100000
   ORDER BY Amount DESC

1. Find the Contacts associated with Opportunities in the "Negotiation" stage that have not been updated in the last 15 days.
   SELECT Id, Name, Email FROM Contact WHERE Id IN (SELECT ContactId FROM OpportunityContactRole WHERE Opportunity.StageName = 'Negotiation' AND Opportunity.LastModifiedDate < LAST_N_DAYS:15)

1. List the Opportunities that have Products with a Quantity greater than 10.
   SELECT Id, Name, StageName, Amount FROM Opportunity WHERE Id IN (SELECT OpportunityId FROM OpportunityLineItem WHERE Quantity > 10)

1. Retrieve the names of Accounts with the Billing Country set to "United States" and Annual Revenue greater than $1 million.
   SELECT Name, BillingCountry, AnnualRevenue FROM Account WHERE BillingCountry = 'United States' AND AnnualRevenue > 1000000

1. Find the Opportunities with a custom field "Approval_Status__c" set to "Approved" and a Close Date in the next 60 days.
   SELECT Id, Name, StageName, Approval_Status__c, CloseDate FROM Opportunity WHERE Approval_Status__c = 'Approved' AND CloseDate = NEXT_N_DAYS:60

1. Identify the Opportunities with a Stage of "Closed/Lost" and a custom field "Reason_for_Loss__c" set to "Price."
   SELECT Id, Name, StageName, Reason_for_Loss__c FROM Opportunity WHERE StageName = 'Closed/Lost' AND Reason_for_Loss__c = 'Price'

1. Retrieve the names of Contacts who are associated with multiple Opportunities.
   SELECT ContactId, Contact.Name
   FROM OpportunityContactRole
   GROUP BY ContactId, Contact.Name
   HAVING COUNT(Opportunity.Id) > 1

1. Find the Opportunities with a Stage of "Proposal" and an Amount greater than the average Opportunity Amount.
   SELECT Id, Name, StageName, Amount
   FROM Opportunity
   WHERE StageName = 'Proposal'
       AND Amount > (SELECT MIN(Amount) FROM Opportunity)

1. List the Opportunities that have at least one associated Task with a status of "Completed."
   SELECT Id, Name
   FROM Opportunity
   WHERE Id IN (
     SELECT WhatId
     FROM Task
     WHERE Status = 'Completed'
     GROUP BY WhatId
     HAVING COUNT(Id) > 0
   );

1. Retrieve the names of Accounts that do not have any associated Contacts.

   ```
   SELECT Name
   FROM Account
   WHERE Id NOT IN (SELECT AccountId FROM Contact)
   ```

1. Identify the Opportunities that have a Close Date within the current fiscal quarter.

   ```
   SELECT Id, Name, CloseDate, StageName
   FROM Opportunity
   WHERE CloseDate = THIS_FISCAL_QUARTER
   ```

1. List the Opportunities created in the last 7 days with an Amount greater than $50,000.

   ```
   SELECT Id, Name, Amount, CloseDate, CreatedDate FROM Opportunity WHERE
       CreatedDate = LAST_N_DAYS:7 AND Amount > 50000
   ```

1. Retrieve the names of Accounts with Billing City containing the word "Tech."

   ```
   SELECT Name
   FROM Account
   WHERE BillingCity LIKE '%Tech%'
   ```

1. Find the Opportunities that have a custom field "Forecast_Category__c" set to "Commit" or "Omitted."

   ```
   SELECT Id, Name, Forecast_Category__c, Amount, CloseDate FROM Opportunity
       WHERE Forecast_Category__c IN ('Commit', 'Omitted')
   ```

1. Identify the Accounts with more than 5 Opportunities in the "Closed/Won" stage.

   ```
   SELECT AccountId, COUNT(Id)
   FROM Opportunity
   WHERE StageName = 'Closed/Won'
   GROUP BY AccountId
   HAVING COUNT(Id) > 5
   ```

1. Retrieve the names of Contacts who are associated with Opportunities that have a custom field "Renewal_Opportunity__c" set to true.

SELECT Contact.Name FROM OpportunityContactRole WHERE Opportunity.Renewal_Opportunity__c = true

1. Find the Opportunities with a Close Date in the next 90 days and an amount between $50,000 and $100,000.

SELECT Id, Name, Amount, CloseDate FROM Opportunity WHERE CloseDate = NEXT_N_DAYS:90 AND Amount >= 50000 AND Amount <= 100000

1. List the Opportunities with a Stage of "Prospecting" that have not been modified in the last 15 days.

SELECT Id, Name, StageName, LastModifiedDate FROM Opportunity WHERE StageName = 'Prospecting' AND LastModifiedDate <= LAST_N_DAYS:15