**Salesforce Programmatic Model - 2**

**1) A function to return all the Accounts where any field of Account starts with *searchString* ignoring diacritics.**

function parameter = String searchString

**Expectation:** When ‘tést’ is sent as parameter, then accounts containing ‘test’, ‘têst’, ‘TËST’, or similar variations should get in result.

**2) A function to fetch Accounts, Cases, Opportunities having value of any field value starting with 'test'.**  
 **- Update Account records to make them inactive**  
 **- Update Case records by setting Status to 'Closed'**  
 **- Update Opportunity by setting StageName to "Closed Lost"**

**3) Write a single query to:**

**- Get all ‘Closed won’ opportunities and their account names for the opportunities where the closed date is in last 30 days.**

**- Result should be ordered in an ascending order of their Close dates.**

**- Fetch the list of quote records which are related to the opportunities.**

Update AccountId field of all Quote records with respective Account Id

**4) Get all fields the Projects having at least one Project task.**

**5) Get name of contacts with duplicate last names and count of the same.**

**6) Work on following requirements:**

1. Create a new field on Case "Number of Tasks on Project"

"Number of Tasks on Project" will store number of tasks related to the Project object

2. Create a new method "AddNewTask":

- Will create a new Project task

- Make sure that the existing records are also getting updated.

**7) Write following soql queries:**  
 **a) Create following records**  
 **Account:**  
 **Name: Blueflame Labs**  
 **Account Number: BFL0001**  
 **Phone: 987654321**  
 **Employees: 200**

Account:  
 Name: BFL  
 Account Number: BFL0002  
 Phone: 987654321  
 Industry: Technology  
 Billing City: Pune  
 Billing State/Province: MH

Contact:  
 Account: BFL  
 First Name: Andrue  
 Last Name: Grey

b. Merge "BFL" Account into the "Blueflame Labs" account using Database class