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**CSE302: Report on Lab Tasks**

**Lab Number: 02**

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| --- | --- |
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| Course Name | Database Management System |
| Course Code | CSE302 |
| Section | 01 |

**Submitted to:**

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**Experiment Name**: Intermediate level DDL and Simple DML statements

Date of submission: 10 July 2021

**Lab Task # 01 (Schema Definition):**

Write SQL statements to create the following tables with the given constraints.

1. Account

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ii) customer

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1. depositor

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**Lab Task # 02 (Schema Modification):** After executing each of these SQL statements execute the command – desc <table name> to confirm the changes.

1. Write SQL statement to add a new attribute ‘date\_of\_birth’ (date type) in customer table

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1. Write SQL statement to drop the attribute ‘date\_of\_birth’ from customer table.

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1. Write SQL statement to rename the attribute account\_no, customer\_no from depositor table to a\_no and c\_no, respectively.

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1. Write SQL statements to add two foreign key constraints ‘depositor\_fk1’ and ‘depositor\_fk2’ which identifies a\_no and c\_no as a foreign key.

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**Lab Task # 03 (Inserting Records into Tables):** Write appropriate SQL statements to insert the records as shown below.

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**Lab Task # 04 (Queries):**

1. Display customer name and customer city only.

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1. Display the unique customer city. No repetitions are allowed.

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1. Find account numbers with balance more than 7000.

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1. Find customer number and customer name who live in Khulna.

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1. Find customer number and customer name who do not live in Dhaka.

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1. Find customer name and customer city who have accounts with balance more than 7000.

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1. Find customer name and customer city who have accounts with balance

more than 7000 and do not live in Khulna.

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1. Find account number and balance for those accounts which belong to a customer with id ‘C-102’.

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1. Find all account number and balance for those accounts which belong to customers of Dhaka and Khulna city.

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1. Find the customer who have no accounts. [Result of this query will be empty for this dataset. However, you must write the correct SQL]

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