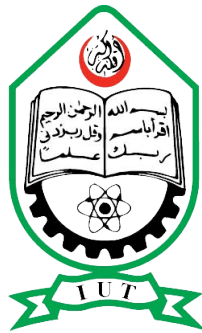


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## DBMS LAB 03 TASKS

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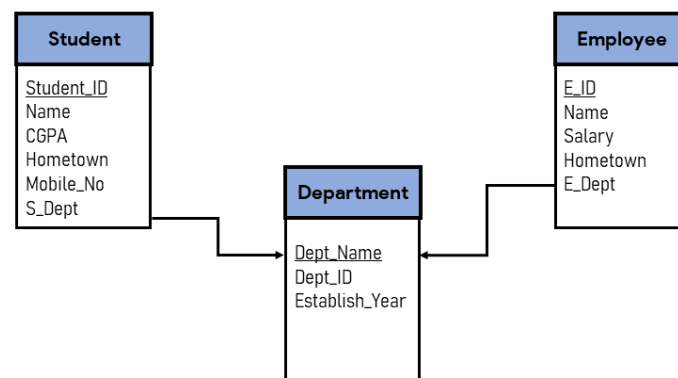
<b>1</b>	<b>Task 1</b>	<b>3</b>
<b>2</b>	<b>Task 2</b>	<b>4</b>
<b>3</b>	<b>Task 3</b>	<b>4</b>

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**Note:** Write down your commands and errors encountered in a notepad file to be evaluated.

## 1 TASK 1

Construct a database by following the aforementioned schema diagram.



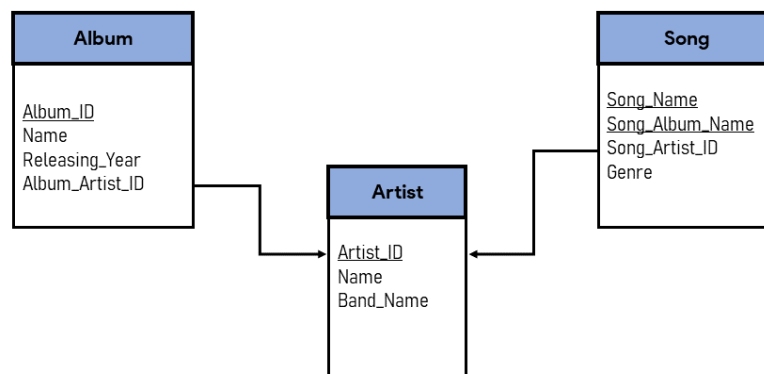
**Figure 1:** Schema Diagram 1

- After creating the database, add some valid and invalid data to your tables. Show whether your database design is discarding invalid data properly or not.
- Write down a query to display student id and department id simultaneously.
- Suppose, you need to add the following info under the 'Employee' table:  
(E\_ID: 55, Name: Hussain, Salary: 50000, Hometown: Rangpur, E\_Dept: Philosophy).  
But you notice that the Philosophy department is not present under the 'Department' table. Now, what do you need to do so that the mentioned entry can be added under the 'Employee' table? Write your answer in one or two lines.

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## 2 TASK 2

Construct a database by following the aforementioned schema diagram.



**Figure 2:** Schema Diagram 2

- After creating the database, add some valid and invalid data to your tables. Show whether your database design is discarding invalid data properly or not.

## 3 TASK 3

- Write a DDL command to drop the 'Hometown' column from the Employee table of schema 1.
- Write a DDL command to add a 'Building' column with proper data type to the Department table of schema 1.
- Write down the necessary DDL commands to modify the 'Song\_name' column to 'Track\_Number' column with proper data type in the Song table of schema 2. You cannot use the 'RENAME COLUMN' statement.

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- Write the necessary commands to change the primary key of the Album table to include both Album\_ID and Name.