**Department of Systemics**

**School of Computer Science**

University of Petroleum and Energy Studies

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**ADVANCE DATABASE MANAGEMENT SYSTEM**

**LAB FILE**

Submitted by

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**Batch - 2**

B.Tech Computer Science and Engineering(CSF)

Submitted to

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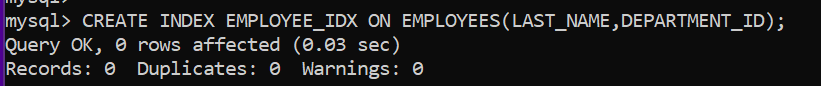
**LAB EXPERIMENT – 7**

**Title: To understand the concepts of Index.**

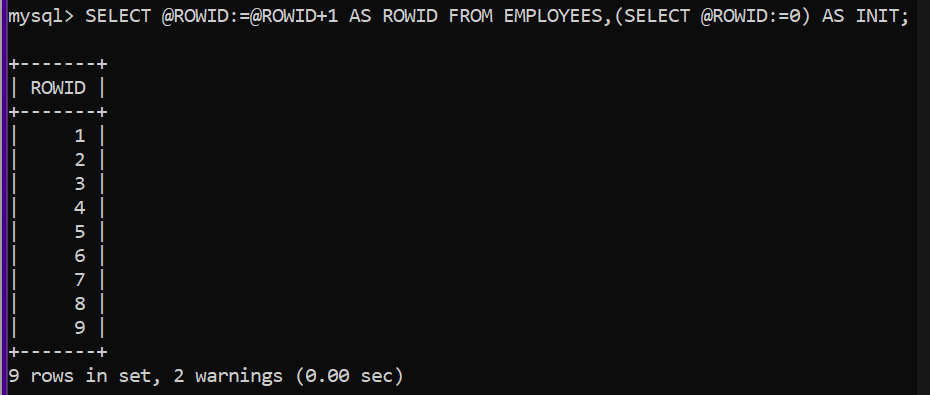
**Objective:** Students will be able to implement the concept of index.

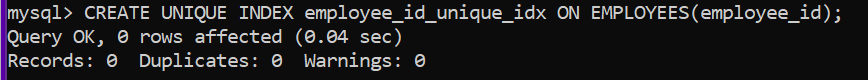
**1. Execute the following index related queries:**

***1) Create an index of name employee\_idx on EMPLOYEES with column Last\_Name, Department\_id***

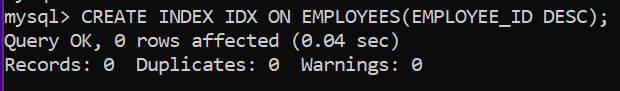
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***2) Find the ROWID for the above table and create a unique index on employee\_id column of the EMPLOYEES.***

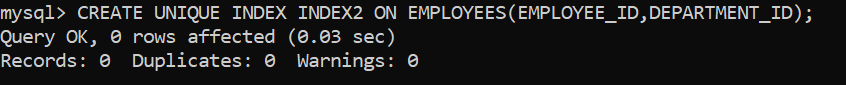
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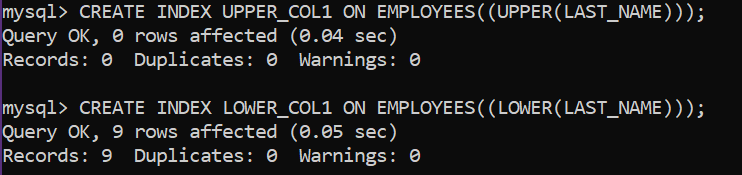
***3) Create a reverse index on employee\_id column of the EMPLOYEES.***

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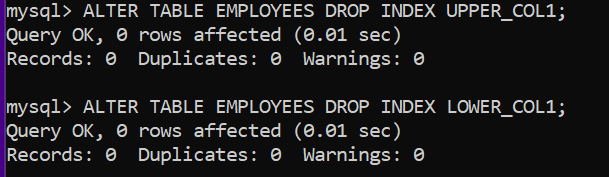
***4) Create a unique and composite index on employee\_id and check whether there is duplicity of tuples or not.***

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***5) Create Function-based indexes defined on the SQL functions UPPER(column\_name) or LOWER(column\_name) to facilitate case-insensitive searches(on column Last\_Name).***

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***6) Drop the function based index on column Last\_Name.***

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