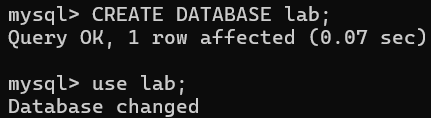
**Lab 1 (Day-7)**

**Database Creation:**

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**1.Write an SQL query to create a database named StudentDB.**

**Table Creation & Constraints:**

**Create a table Students with the following columns:**

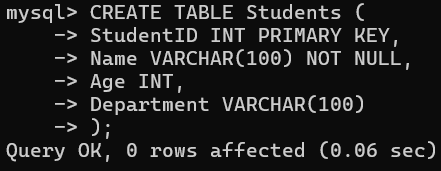
**StudentID (Integer, Primary Key)**

**Name (VARCHAR, Not Null)**

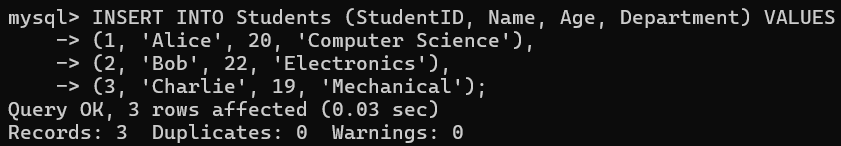
**Age (Integer)**

**Department (VARCHAR)**

**Insertion of Data:**

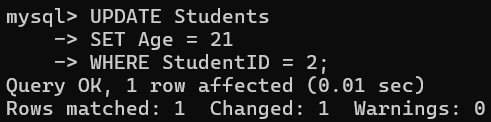
****

**2.Insert three records into the Students table with sample data.**

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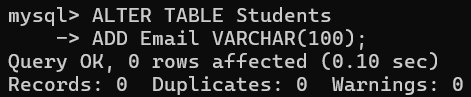
**3.Updation of Data:**

**Update the Age of a student whose StudentID is 2 to 21.**

****

**4.Alteration of Table:**

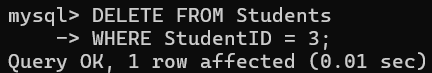
**Add a new column Email (VARCHAR) to the Students table.**

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**5.Deletion of Rows:**

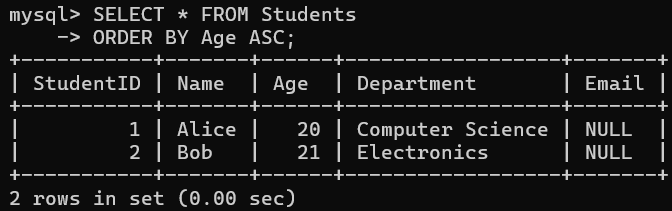
**Delete a student record where StudentID is 3.**

**ORDER BY and GROUP BY Clause Questions**

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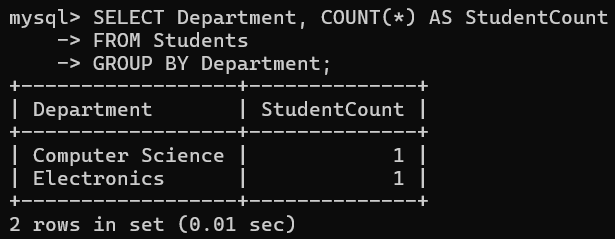
**6.ORDER BY Clause:**

**Retrieve all students from the Students table and display them in ascending order Age.**

****

**7.GROUP BY Clause:**

**Count the number of students in each Department and display the result.**

****