

# SQL LAB-2

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Create a table with named Score with attributes:

ScoreID (Primary Key) CourseID (Foreign key) StudentID (Foreign Key)

DateOfExam CreditObtained Query:

```
mysql> create table Score(  
  -> ScoreID int Primary Key auto_increment,  
  -> CourseID int,  
  -> StudendID int,  
  -> DateOfExam date,  
  -> CreditObtained decimal(5,2),  
  -> foreign key ( CourseID) references course( CourseID),  
  -> foreign key (StudendID) references student(StudendID)  
  -> );  
Query OK, 0 rows affected (0.00 sec)
```

insertion

```
mysql> insert into Score(CourseID,StudendID,DateOfExam,CreditObtained)values  
  -> (101,101,'2024-07-08',9.21);  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into Score(CourseID,StudendID,DateOfExam,CreditObtained)values  
  -> (102,102,'2024-07-08',8.21);  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into Score(CourseID,StudendID,DateOfExam,CreditObtained)values  
  -> (103,103,'2024-07-09',8.50);  
Query OK, 1 row affected (0.00 sec)
```

Output:

```
mysql> select*from score;  
+-----+-----+-----+-----+-----+  
| ScoreID | CourseID | StudendID | DateOfExam | CreditObtained |  
+-----+-----+-----+-----+-----+  
|      309 |       101 |       101 | 2024-07-08 |          9.21 |  
|      310 |       102 |       102 | 2024-07-08 |          8.21 |  
|      314 |       103 |       103 | 2024-07-09 |          8.50 |  
+-----+-----+-----+-----+-----+  
3 rows in set (0.00 sec)
```

Create a table with named Feedback with attributes:

FeedbackID (Primary Key) StudentID (Foreign key)

Date

InstructorName

Feedback

Query:

```
mysql> create table Feedback
-> (
-> FeedbackID int Primary Key,
-> Date date,
-> InstructorName varchar(20),
-> Feedback varchar(40),
-> StudentID int,
-> foreign key (StudentID) references student(StudentID)
-> );
Query OK, 0 rows affected (0.00 sec)
```

Insertion:

```
mysql> insert into Feedback(FeedbackID,Date,InstructorName,Feedback, StudendID)values
-> (1,'24-07-08','ramya','good',101);
Query OK, 1 row affected (0.00 sec)

mysql> insert into Feedback(FeedbackID,Date,InstructorName,Feedback, StudendID)values
-> (2,'24-07-09','sowmya','nice',102);
Query OK, 1 row affected (0.01 sec)

mysql> insert into Feedback(FeedbackID,Date,InstructorName,Feedback, StudendID)values
-> (3,'24-07-10','ram','need to improve',103);
Query OK, 1 row affected (0.00 sec)
```

Output:

```
mysql> select*from Feedback;
+-----+-----+-----+-----+-----+
| FeedbackID | Date       | InstructorName | Feedback      | StudendID |
+-----+-----+-----+-----+-----+
|          1 | 2024-07-08 | ramya         | good         |         101 |
|          2 | 2024-07-09 | sowmya        | nice         |         102 |
|          3 | 2024-07-10 | ram           | need to improve |         103 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Task 1: Use the Database and table from Day 1 lab(pervious lab). Insert 5 records in each table and retrieve data from all tables and displays.

Query: course table

```
mysql> insert into course(CourseID, CourseTitle, Credits)values
-> (101,'MCA',5),
-> (102,'MBA',4),
-> (103,'BSC',7),
-> (104,'BTECH',6),
-> (105,'BCOM',4);
Query OK, 5 rows affected (0.00 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

Output:

```
mysql> select*from course;
+-----+-----+-----+
| CourseID | CourseTitle | Credits |
+-----+-----+-----+
|      101 | MCA         |      5 |
|      102 | MBA         |      4 |
|      103 | BSC         |      7 |
|      104 | BTECH       |      6 |
|      105 | BCOM        |      4 |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

Query: instructor table

```
mysql> insert into instructor( InstructorID, FirstName, LastName, Email)values
-> (501,'ramya','dudikatla','ram@gmail.com');
Query OK, 1 row affected (0.00 sec)

mysql> insert into instructor( InstructorID, FirstName, LastName, Email)values
-> (502,'sowmya','dudikatla','sam@gmail.com'),
-> (503,'akhila','vodnala','akhi@gmail.com'),
-> (504,'naveena','gajibinkar','navg@gmail.com'),
-> (505,'meghana','chavva','meghna@gmail.com');
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

Output:

```
mysql> select*from instructor;
+-----+-----+-----+-----+
| InstructorID | FirstName | LastName | Email |
+-----+-----+-----+-----+
|      501     | ramya     | dudikatla | ram@gmail.com |
|      502     | sowmya    | dudikatla | sam@gmail.com |
|      503     | akhila    | vodnala   | akhi@gmail.com |
|      504     | naveena   | gajibinkar | navg@gmail.com |
|      505     | meghana   | chavva    | meghna@gmail.com |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

Query: student table

```
mysql> insert into student( StudendID, FirstName, LastName, DateOfBirth, Gender, Email, phoneno) values
-> (101, 'sowmya', 'dudikatla', '2005-02-05', 'female', 'sony@gmail.com', 9965284307),
-> (102, 'sandeep', 'vaddepalli', '2001-02-17', 'male', 'sand11@gmail.com', 9988284397),
-> (103, 'ramya', 'dudikatla', '2002-11-01', 'female', 'ram@gmail.com', 9385554392),
-> (104, 'ganesh', 'doneppalli', '2001-06-20', 'male', 'gani01@gmail.com', 9386662392),
-> (105, 'zuberia', 'shaik', '2002-05-01', 'female', 'zuberia@gmail.com', 9388593638);
Query OK, 5 rows affected (0.02 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

Output:

```
mysql> select * from student;
```

StudendID	FirstName	LastName	DateOfBirth	Gender	Email	phoneno
101	sowmya	dudikatla	2005-02-05	female	sony@gmail.com	9965284307
102	sandeep	vaddepalli	2001-02-17	male	sand11@gmail.com	9988284397
103	ramya	dudikatla	2002-11-01	female	ram@gmail.com	9385554392
104	ganesh	doneppalli	2001-06-20	male	gani01@gmail.com	9386662392
105	zuberia	shaik	2002-05-01	female	zuberia@gmail.com	9388593638

```
5 rows in set (0.01 sec)
```

Task2: Update the Student table with the following information:

Update/Change the email to 'jane\_Smith@example.com' and make FirstName is 'Jane' and LastName is 'Smith' and any students in your student table

Query:

```
mysql> update student set Email='jane_Smith@example.com', FirstName='Jane', LastName='Smith' where StudendID=104;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

Output:

```
mysql> select * from student;
```

StudendID	FirstName	LastName	DateOfBirth	Gender	Email	phoneno
101	sowmya	dudikatla	2005-02-05	female	sony@gmail.com	9965284307
102	sandeep	vaddepalli	2001-02-17	male	sand11@gmail.com	9988284397
103	ramya	dudikatla	2002-11-01	female	ram@gmail.com	9385554392
104	Jane	Smith	2001-06-20	male	jane_Smith@example.com	9386662392
105	zuberia	shaik	2002-05-01	female	zuberia@gmail.com	9388593638

```
5 rows in set (0.00 sec)
```

task 3 : perform the filtration on the table by given data display student/students records from the Student table where the last name is Smith.

Output:

```
mysql> select*from student where LastName= 'Smith';
+-----+-----+-----+-----+-----+-----+-----+
| StudendID | FirstName | LastName | DateOfBirth | Gender | Email | phoneno |
+-----+-----+-----+-----+-----+-----+-----+
| 104 | Jane | Smith | 2001-06-20 | male | jane_Smith@example.com | 9386662392 |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

Task 4: Delete the record from the Student table on the following condition:

Delete student/student records from the Student table where the First name is 'Jane'.

Query:

```
mysql> delete from student where FirstName='Jane';
Query OK, 1 row affected (0.01 sec)
```

Output:

```
mysql> select*from student;
+-----+-----+-----+-----+-----+-----+-----+
| StudendID | FirstName | LastName | DateOfBirth | Gender | Email | phoneno |
+-----+-----+-----+-----+-----+-----+-----+
| 101 | sowmya | dudikatla | 2005-02-05 | female | sony@gmail.com | 9965284307 |
| 102 | sandeep | vaddepalli | 2001-02-17 | male | sand11@gmail.com | 9988284397 |
| 103 | ramya | dudikatla | 2002-11-01 | female | ram@gmail.com | 9385554392 |
| 105 | zuberia | shaik | 2002-05-01 | female | zuberia@gmail.com | 9388593638 |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```