

WEEK1 - SESSION 4 / TASK 4

```
mysql> SELECT
->   Course.Course_Name,
->   COUNT(Student.VTU_Number) AS Total_Students
-> FROM Student
-> INNER JOIN Course
-> ON Student.VTU_Number = Course.Student_ID
-> GROUP BY Course.Course_Name;
```

```
+-----+-----+
| Course_Name | Total_Students |
+-----+-----+
| DBMS        | 1              |
| Software Engineering | 1              |
| Operating Systems | 1              |
| Data Structures | 1              |
| Computer Networks | 1              |
+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE Faculty_Courses AS
-> SELECT
->   Faculty_Id,
->   Course_Code,
->   Course_Name,
->   Faculty_Email
-> FROM Course
-> WHERE Faculty_Id = 'F001';
```

Query OK, 1 row affected (0.04 sec)
Records: 1 Duplicates: 0 Warnings: 0

```
mysql> SELECT * FROM Faculty_Courses;
+-----+-----+-----+-----+
| Faculty_Id | Course_Code | Course_Name | Faculty_Email |
+-----+-----+-----+-----+
| F001       | CS101       | Data Structures | faculty1@gmail.com |
+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

```
mysql> SELECT * FROM Student
-> WHERE Department = 'CSE'
-> LIMIT 5;
```

```
+-----+-----+-----+-----+-----+
| VTU_Number | Name   | Email           | Phone   | Department |
+-----+-----+-----+-----+-----+
| 1RV21CS001 | Rahul | rahul@gmail.com | 9876543210 | CSE        |
| 1RV21CS002 | Ananya | ananya@gmail.com | 9876543211 | CSE        |
+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)
```

```
mysql> UPDATE Student
-> SET Phone = CONCAT('+91', Phone)
-> WHERE Department = 'CSE'
-> LIMIT 5;
```

Query OK, 2 rows affected (0.01 sec)
Rows matched: 2 Changed: 2 Warnings: 0

```
mysql> SELECT VTU_Number, Name, Phone
-> FROM Student
-> WHERE Department = 'CSE';
```

```
+-----+-----+-----+
| VTU_Number | Name  | Phone    |
+-----+-----+-----+
| 1RV21CS001 | Rahul | +919876543210 |
| 1RV21CS002 | Ananya | +919876543211 |
+-----+-----+-----+
2 rows in set (0.02 sec)
```

mysql>