

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>