

WEEK1 - SESSION 3 / TASK 3

```
mysql> SELECT * FROM Student;
```

```
+-----+-----+-----+-----+-----+
| VTU_Number | Name   | Email           | Phone   | Department |
+-----+-----+-----+-----+-----+
| 1RV21CS001 | Rahul  | rahul@gmail.com | 9876543210 | CSE        |
| 1RV21CS002 | Ananya | ananya@gmail.com | 9876543211 | CSE        |
| 1RV21CS003 | Kiran  | kiran@gmail.com | 9876543212 | ISE        |
| 1RV21CS004 | Sneha  | sneha@gmail.com | 9876543213 | ECE        |
| 1RV21CS005 | Arjun  | arjun@gmail.com | 9876543214 | ME         |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> SELECT COUNT(*) AS Total_Students FROM Student;
```

```
+-----+
| Total_Students |
+-----+
| 5              |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT MAX(VTU_Number) AS Highest_VTU FROM Student;
```

```
+-----+
| Highest_VTU |
+-----+
| 1RV21CS005 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT MIN(VTU_Number) AS Lowest_VTU FROM Student;
```

```
+-----+
| Lowest_VTU |
+-----+
| 1RV21CS001 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT Department, COUNT(*) AS Total
```

```
-> FROM Student
```

```
-> GROUP BY Department;
```

```
+-----+-----+
| Department | Total |
+-----+-----+
| CSE        | 2     |
| ISE        | 1     |
| ECE        | 1     |
| ME         | 1     |
+-----+-----+
4 rows in set (0.01 sec)
```

```
mysql> SELECT * FROM Student
```

```
-> ORDER BY VTU_Number ASC;
```

```
+-----+-----+-----+-----+-----+
| VTU_Number | Name   | Email           | Phone   | Department |
+-----+-----+-----+-----+-----+
| 1RV21CS001 | Rahul  | rahul@gmail.com | 9876543210 | CSE        |
| 1RV21CS002 | Ananya | ananya@gmail.com | 9876543211 | CSE        |
| 1RV21CS003 | Kiran  | kiran@gmail.com | 9876543212 | ISE        |
| 1RV21CS004 | Sneha  | sneha@gmail.com | 9876543213 | ECE        |
+-----+-----+-----+-----+-----+
```

```
| 1RV21CS005 | Arjun | arjun@gmail.com | 9876543214 | ME |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM Student
-> ORDER BY VTU_Number DESC;
```

```
+-----+-----+-----+-----+
| VTU_Number | Name | Email | Phone | Department |
+-----+-----+-----+-----+
| 1RV21CS005 | Arjun | arjun@gmail.com | 9876543214 | ME |
| 1RV21CS004 | Sneha | sneha@gmail.com | 9876543213 | ECE |
| 1RV21CS003 | Kiran | kiran@gmail.com | 9876543212 | ISE |
| 1RV21CS002 | Ananya | ananya@gmail.com | 9876543211 | CSE |
| 1RV21CS001 | Rahul | rahul@gmail.com | 9876543210 | CSE |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

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

```
+-----+-----+-----+-----+
| VTU_Number | Name | Email | Phone | Department |
+-----+-----+-----+-----+
| 1RV21CS001 | Rahul | rahul@gmail.com | 9876543210 | CSE |
| 1RV21CS002 | Ananya | ananya@gmail.com | 9876543211 | CSE |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> SELECT
-> Student.VTU_Number,
-> Student.Name,
-> Course.Course_Name,
-> Course.Faculty_Id,
-> Course.Faculty_Email
-> FROM Student
-> INNER JOIN Course
-> ON Student.VTU_Number = Course.Student_ID;
```

```
+-----+-----+-----+-----+
| VTU_Number | Name | Course_Name | Faculty_Id | Faculty_Email |
+-----+-----+-----+-----+
| 1RV21CS001 | Rahul | Data Structures | F001 | faculty1@gmail.com |
| 1RV21CS002 | Ananya | DBMS | F002 | faculty2@gmail.com |
| 1RV21CS003 | Kiran | Operating Systems | F003 | faculty3@gmail.com |
| 1RV21CS004 | Sneha | Computer Networks | F004 | faculty4@gmail.com |
| 1RV21CS005 | Arjun | Software Engineering | F005 | faculty5@gmail.com |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql>
```