

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>
```