

- ✦ **Project Title**
- ✦ **Project Database Introduction**
- ✦ **Minimum 10 Table of database**
- ✦ **Database Diagram**
- ✦ **Each table has a minimum of 50 records**
- ✦ **You have 7 different topics, each topic defines query requirements that how many queries you will use according to by topic. In the documentation, I will check sequence-wise all queries topic-wise.**

TOPIC 1 PRIMARY KEY, FOREIGN KEY in creating table
(10 Queries)

2 AND, OR and NOT, LIKE, IN and Between Operator **(150 Queries)**

3 Distinct, Where Clause, TOP Statement, ORDER BY, GROUP BY, Aliases Statement **(150 Queries)**

4 **Aggregate Function (Total 100 Queries)**

4.1 Count (15 Queries)

4.2 Sum (15 Queries)

4.3 Avg (15 Queries)

4.4 Min (15 Queries)

4.5 Max (15 Queries)

4.6 maximum 3, 4 aggregate function + where clause + order by statement
(25 Queries)

5 **Joins (Total 150 Queries)**

5.1 Inner Join (25 Queries)

5.2 Left Join (25 Queries)

5.3 Right Join (25 Queries)

5.4 Full Join (25 Queries)

5.5 All joins using where clause + order by, group by statement (50 Queries)

6 Store Procedure (Total 100 Queries)

6.1 Store Procedure without parameter (25 Queries)

6.2 Store Procedure with parameter (25 Queries)

6.2 Both type Store Procedure using Joins + where clause statement (50 Queries)

7 Trigger (Total 20 Queries)

7.1 AFTER TRIGGER for INSERT Event (10 Queries)

7.2 AFTER TRIGGER for DELETE Event (10 Queries)

8 View (Total 10 Queries)

9 Single Row Function (Total 50 Queries)

9.1 UPPER (5 Queries)

9.2 LOWER (5 Queries)

9.3 INITCAP (5 Queries)

9.4 CONCAT (5 Queries)

9.5 LENGTH (5 Queries)

9.6 SUBSTR (5 Queries)

9.7 RPAD (5 Queries)

9.8 LPAD (5 Queries)

9.9 ROUND (5 Queries)

9.10 TRIM (5 Queries)

10 ALTER TABLE command (Total 60 Queries)

10.1 Add

10.2 Delete

10.3 Update,

10.4 Table record remove,

10.4 Table Remove

10.5 Truncate

11. Transaction Control: COMMIT, ROLLBACK (Total 10 Queries)

Overall Queries 600

Project Marks: 100

Submission Date: **1-Feb-2023**

Submission of Project would be acceptable on time.

Note:

- A script for the project should be provided.
- A maximum of 5 screenshots should be provided for each topic in the document file.
- The project should be submitted to Google Classroom.

- A semester project is assigned to each group. There is a maximum of two students per group.
- In Google Classroom, only one student will submit the SQL script.
- Slide and Print document is required for presentation.