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**Sub : SQL Lab**

**Lab Outcome**

**Upon successful completion of this module students should be able to:**

LO1 -Construct problem definition statements for real life applications and implement a database for the same.

LO2- Design conceptual models of a database using ER modeling for real life applications and alsoconstruct queries in Relational Algebra.

LO3- Create and populate a RDBMS, using SQL.

LO4- Write queries in SQL to retrieve any type of information from a data base.

LO5- Analyze and apply concepts of normalization to design an optimal

**List of Experiment**

|  |  |  |
| --- | --- | --- |
| **SR. NO.** | **EXPERIMENT NAME** | **LO MAPPING** |
|  | To Design EER Model for Project | LO2 |
|  | To implement DDL Commands in Postgresql | LO3 |
|  | To implement DML Commands in Postgresql | LO4 |
|  | To implement Aggregate functions in Postgresql | LO4 |
|  | To implement Complex SQL Commands in Postgresql | LO4 |
|  | To implement Constraints in Postgresql | LO4 |
|  | To implement PL/SQL block in Postgresql | LO4 |
|  | To implement Functions, triggers and Cursors in Postgresql | LO4 |
|  | To implement JDBC Connectivity with Postgresql | LO4 |
|  | To implement Views in Postgresql | LO4 |
|  | Project | LO1,LO2,LO3,LO4 |
|  | Assignment No 1 | **LO2,CO2,CO3** |
|  | Assignment No 2 | **CO5, LO5** |