

Syllabus		
EXP No.	Contents	Mapped CO
1	Introduction to MySQL Workbench. How to use MySql Workbench to run SQL Statements.	CO1,CO2,CO3,CO4,CO5
2	Examples on i) DDL Commands: CREATE , ALTER, DROP and TRUNCATE a Table ii) Implementation of Constraints PRIMARY KEY, FOREIGN KEY, CHECK, NOT NULL, UNIQUE.	CO1,CO2,CO3,CO4,CO5
3	Examples on i) DML Commands. INSERT, UPDATE and DELETE ii) DCL Commands: COMMIT , ROLLBACK and SAVEPOINT.	CO1,CO2,CO3,CO4,CO5
4	Examples on retrieving data from a single table using i) SELECT statement ii) SELECT statement with where clause(Comparison Operators, AND, OR, NOT, IN, BETWEEN, LIKE) iii) ORDER BY clause(sort by column name) iv) LIMIT clause	CO1,CO2,CO3,CO4,CO5
5	Examples on Functions in MySQL: String, Numeric, Date, Time and Other Functions.	CO1,CO2,CO3,CO4,CO5
6	Examples on Summary Queries: Queries using Aggregate functions, GROUP By and Having Clauses, ROLLUP Operator.	CO1,CO2,CO3,CO4,CO5
7	Examples on Inner join, outer join using USING, NATURAL Keywords	CO1,CO2,CO3,CO4,CO5
8	Examples on SUB/SUMMARY Queries Using IN, ANY, SOME, ALL , EXISTS and NOT EXISTS functions	CO1,CO2,CO3,CO4,CO5
9	Examples on i) Creating INDEXES and VIEWS ii) INSERT, DELETE and DROP on VIEWS	CO1,CO2,CO3,CO4,CO5
10	Examples on i) Create and Call STORED PROCEDURE (IN, OUT, INOUT Parameters) , Drop a STORED PROCEDURE. ii) Create, call and Drop a FUNCTION. iii) Create and Drop a TRIGGER	CO1,CO2,CO3,CO4,CO5
11	Case Study using real world database applications	CO1,CO2,CO3,CO4,CO5

Learning Resources

Text Books

1. Murach's MySQL, JOEL MURACH, 2012, Shroff Publishers & Distributors Pvt.Ltd.

References

1. The Complete Reference MYSQL, Vikram Vaswani, 2017, McGrawHill Education.
2. DATABASE SYSTEMS Models, Languages, Design and Application Programming, Ramez Elmasri, Shamkant B. Navathe, Sixth Edition, Pearson.
3. Data base System Concepts, Abraham Silberschatz, Henry F Korth, S. Sudarshan, Fifth Edition, McGraw Hill.