

# **Laboratory Assignment File**

**For**

**Database Management System Lab**

**(CSPC-222)**

**B.Tech (Computer Science and Engineering)**

**IV Semester Sec-B**

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01	Using C++, WAP of a Library Management Systems with the concepts of File Handling. It must allow the Library to Manage the records of Issues and Deposits of Books and Add, Retrieve, and update Details of any Student or Book.	4-16	31-01-24	
02	<b>Simple DML and DDL Queries:</b> Create a database named as 'Inventory' and Create the tables Insert the following data into their respective tables Exercises on retrieving, updating, deleting records from a table Exercise on altering, deleting and renaming the table structure	17-23	05-02-24	
03	Data Integrity Constraints: Create the tables described below in the same database i.e 'Inventory' Insert the following data into their respective tables Modify the tables created with following constraints	24-28	12-02-24	
04	Exercise on retrieving records from tables made in inventory database: String functions queries Date functions queries Aggregate functions queries Other clauses	29-35	19-02-24	
05	ER Modelling and Practice SQL Queries	36-43	26-02-24	
06	Questions based on bank and inventory database using join operations.	44-50	04-03-24	
07	Views, Indexes & Sequences: Using View on Single Table View on Multiple tables Using Indexes Using Sequences in MySQL	51-55	08-04-24	
08	Create database named as 'library' and write the SQL queries for the given questions.	56-57	08-04-24	
09	Users, Roles, and Permissions	58-62	22-04-24	
10	1. Practice all the 4 programs given in presentation. 2. WAP to find the sum of two numbers. 3. WAP to find the area of circle, get radius as an input from user. 4. WAP to perform various arithmetic operations in one program.	63-65	29-04-24	
11	1. Create a trigger to display the salary difference between the old values and new values. 2. Create a trigger to display the increase in salary by 1500. 3. Create a trigger to update the 'product_price_history' table when the price of product is updated in the product table. 4. Create a table 'product' which can use to store message when triggers are fired.	66-68	03-05-24	