

RAJALAKSHMI ENGINEERING COLLEGE
RAJALAKSHMI NAGAR, THANDALAM – 602 105



RAJALAKSHMI
ENGINEERING
COLLEGE

CS23332 DATABASE MANAGEMENT
SYSTEMS LAB

Laboratory Record Note Book

Name : P.M. Arunesh

Year / Branch / Section : 2025 / CSE - Cyber security

University Register No. : 2116241901007

College Roll No. : 241901007

Semester : III

Academic Year : 2024 - 28



RAJALAKSHMI
ENGINEERING COLLEGE

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

BONAFIDE CERTIFICATE

NAME P. M. Arunesh

ACADEMIC YEAR 2024-28 SEMESTER 3rd BRANCH CSE - Cyber Security

UNIVERSITY REGISTER No. 2116241901007

Certified that this is the bonafide record of work done by the above student in the
Database management System Laboratory during the year 2025 - 2026

[Signature]

Signature of Faculty - in - Charge

Submitted for the Practical Examination held on

Internal Examiner

External Examiner

INDEX

Name : P.M.Arunesh Branch : CSE-CS Sec : A Roll No : 241901007

S.No.	Date	Title	Page No.	Teacher's Sign / Remarks
1.	16/7/25	Creating & managing table	1	BPL
2.	16/7/25	manipulating data	7	BPL
3.	17/7/25	including constraints	17	BPL
4.	23/7/25	writing basic SQL select Statement.	26	BPL
5.	24/7/25	Restricting & sorting data	34	BPL
6.	30/7/25	single row function	45	BPL
7.	31/7/25	Displaying data from multiple table	61	BPL
8.	7/8/25	Aggregating data using group function	70	BPL
9.	13/8/25	Sub Queries	83	BPL
10.	14/8/25	Creating queries	91	BPL
11.	20/8/25	using the set operators	99	BPL
12.	31/8/25	Not Null & Unique constraints.	141	BPL
13.	17/9/25	Creating queries	149	BPL
14.	18/9/25	other database objects	158	BPL
15.	24/9/25	controlling with ACOS	163	BPL
16.	25/9/25	PL/SQL	171	BPL
17.	25/9/25	control structure.	172	BPL
18.	8/10/25	Procedure & function	192	BPL
19.	9/10/25	Triggers	199	BPL
20.	15/10/25	Mongo DB	220	BPL

Highest sal

Number

LOCATION TABLE

NAME	NULL?	TYPE
Location id	Not null	Number(4)
St. addr		Varchar(40)
Postal code		Varchar(12)
City	Not null	Varchar(30)
State/province		Varchar(25)
Country id		Char(2)

1. Create the DEPT table based on the DEPARTMENT following the table instance chart below. Confirm that the table is created.

Column name	ID	NAME
Key Type		
Nulls/Unique		
FK table		
FK column		
Data Type	Number	Varchar2
Length	7	25

```
mysql > create table DEPTC  
        ID int,  
        name Varchar(25));
```

2. Create the EMP table based on the following instance chart. Confirm that the table is created.

Column name	ID	LAST_NAME	FIRST_NAME	DEPT_ID
Key Type				
Nulls/Unique				
FK table				
FK column				
Data Type	Number	Varchar2	Varchar2	Number
Length	7	25	25	7

```
Create table EMPL  
        ID int,  
        first-name Varchar(25),  
        last-name Varchar(25),
```

3. Modify the EMP table to allow for longer employee last names. Confirm the modification. (Hint: Increase the size to 50)

```
ALTER TABLE EMP MODIFY last_name Varchar(50);
```

4. Create the EMPLOYEES2 table based on the structure of EMPLOYEES table. Include Only the Employee_id, First_name, Last_name, Salary and Dept_id columns. Name the columns Id, First_name, Last_name, salary and Dept_id respectively.

```
create TABLE EMPLOYEES(
    employee_id int,
    first_name varchar(25),
    last_name varchar(25),
    salary int,
    dept_id int);
```

5. Drop the EMP table.

```
drop TABLE Emp;
```

6. Rename the EMPLOYEES2 table as EMP.

```
ALTER TABLE EMPLOYEES RENAME TO Emp;
```

✓

7. Add a comment on DEPT and EMP tables. Confirm the modification by describing the table.

ALTER TABLE DEPT COMMENT = 'Department details';
ALTER TABLE EMP COMMENT = 'Employee details';

8. Drop the First_name column from the EMP table and confirm it.

~~ALTER~~ TABLE EMP drop first_name;

Evaluation Procedure	Marks awarded
Query(5)	5
Execution (5)	5
Viva(5)	5
Total (15)	15
Faculty Signature	TB