IARE
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LABORATORY WORK BOOK

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Class CSE - (AI & ML) - Semester IV

Course Code : AITO05 Course Name : Database Management Systems laboratory

Name of the Course Faculty MS. B. Shirisha Faculty ID : IARE 11140

Exercise Number : 02.1 - 02.5 Week Number 02 Date 31 January 2025

Roll Number
2 3 9 5 1 A 6 6 F 2

S. No.	Exercise Number	EXERCISE NAME	Aim/ Preparation	Algorithm / Procedure / Performance in the Lab	Source Code / Calculations and Graphs	Program Execution / Results and Error Analysis	Viva - Voce	Total
			4	4	4	4	4	20
1	2.1	Create a employee table	4	4	4	4	4	20
2	2.2	Add a column to table						
3	2.3	Insert any five records						
4	2.4	Update the column						
5	2.5	Rename the column						
6								
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Signature of the Student

Signature of the Faculty

① Aim: Create a table called Employee with the following structure

Name	Type
Empno	Number
Ename	Varchar2(20)
Job	varchar2(20)
mgr	Number
Sal	Number

Code/output:

mysql > create database employee;

Query ok, 1 row affected (0.01 sec)

mysql > use employee;

Database changed$

mysql > CREATE TABLE employee (empno INT, ename VARCHAR(10), job VARCHAR(10), mgr INT, sal INT);

Query ok, 0 rows affected (0.05 sec)

mysql > desc employee;

```
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| empno  | int         | YES  |     | NULL    |       |
| ename  | varchar(10) | YES  |     | NULL    |       |
| job    | varchar(10) | YES  |     | NULL    |       |
| mgr    | int         | YES  |     | NULL    |       |
| sal    | int         | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
```

5 rows in set (0.00 sec).

Result: Table created.
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② Aim: Add a column commission with domain to the Employee table.

Code / output:

mysql > alter table employee add (Commission INT);
Query OK, 0 rows affected (0.03 sec)
Records: 0   Duplicates: 0   Warnings: 0

mysql > desc employee;

Field	Type	NULL	Key	Default	Extra
empno	int	YES		NULL	
ename	varchar(10)	YES		NULL	
job	varchar(10)	YES		NULL	
mgr	int	YES		NULL	
sal	int	YES		NULL	
commission	int	YES		NULL	

6 rows in set (0.00 sec)

Result: Table altered.^{8/16}

(5) Aim : Insert any five records into the table.

Code & outputs :

```
mysql > INSERT INTO employee
    → VALUES
    → (101, 'abhi', 'manager', 1234, 10000, 70),
    → (102, 'rohith', 'analyst', 2345, 9000, 65),
    → (103, 'david', 'trainee', 3456, 9000, 65),
    → (104, 'rahul', 'clerk', 4567, 7009, 55),
    → (105, 'pramod', 'Salesman', 5678, 5000, 50);
Query ok, 5 rows affected (0.01 sec)
Records : 5     Duplicates : 0    warnings : 0

mysql > SELECT * FROM employee;
```

empno	ename	job	mgr	Sal	Commission
101	abhi	manager	1234	10000	70
102	rohith	Analyst	2345	9000	65
103	david	trainee	3456	9000	65
104	rahul	clerk	4567	7000	55
105	pramod	salesman	5678	5000	50

5 rows in set (0.00 sec)

Result : Successfully Inserted

④ Aim: Update the Column details of job

Code & output:

mysql > UPDATE employee SET job = 'hr' WHERE
        empno = 103;

Query ok, 1 row affected (0.00 sec)

Rows matched: 1   changed: 1   warnings: 0

mysql> SELECT * FROM employee;

empno	emame	job	mgr	Sal	Commission
101	abhi	manager	1234	10000	70
102	rohith	analyst	2345	9000	65
103	David	hr	3456	9000	65
104	rahul	clerk	4567	7000	55
105	Pramod	salesman	5678	5000	50

5 rows in set (0.00 sec)

Result: Column is successfully updated

⑤ **Aim:** Rename the column of Employ table using alter command.

Code & output:

mysql > ALTER TABLE employee CHANGE COLUMN mgr

manager_no INT;

Query OK, 0 rows affected (0.02 sec)

Records: 0   Duplicates: 0   Warnings: 0

mysql > SELECT * FROM employee;

empno	ename	job	manager_no	Sal	Commission
101	abhi	manager	1234	10000	70
102	ronith	analyst	2345	9000	65
103	David	hr	3456	9000	65
104	rahul	clesk	4567	7000	55
105	pramod	salesman	5678	5000	50

5 rows in set (0.00 sec)

Result: Table altered successfully.