③ DML COMMANDS

Aim :- To perform Operation(insert, select, update and using DML commands)

Table Employee - 1 with fields

Name	Data type	Constraints
Employee. no	cnt (10)	primary key
Employee - name	Varchar (20)	Not null
Job	Varchar (20)	
m_id	int (10)	
Hire data	Varchar (20)	
Location	Varchar (20)	
Commission	int (10)	
Salary	int (10)	

Algorithm

Step 1 :- Start
Step 2 : Create table employee - 1
Step 3 : insert 5 values into the table
Step 4 : perform updation in table
Step 5 : perform deletion in table
Step 6 : List details of the table
Step 7 : Stop.

(a) Create a table Employee -1

```
MYSQL > CREATE TABLE EMPLOYEE-1(EMPLOYEE_NO int(10)
        PRIMARY KEY NOT NULL, EMPLOYEE_NAME VARCHAR(20)NOT NULL,
        JOB VARCHAR (20), M_ID INT(10), HIRE DATA VARCHAR(20),
        DEPT_NAME VARCHAR(20), LOCATION VARCHAR(20),
        COMMISSION INT(10), SALARY INT (10);
MYSQL > DESC EMPLOYEE - 1;
```

(b) Insert 5 rows into the employee-1 table

```
MYSQL> INSERT INTO EMPLOYEE-1 VALUES(1,'ANU','CLERK',
        12,'02-OCT-2015','BSC','KTDA',1000,5000);
```

```
MYSQL > INSERT INTO EMPLOYEE-1 VALUES(2,'MANU','MANAGER',
        16,'12-JAN-2015','BCA','NOD',1200,7000);
```

```
MYSQL > INSERT INTO EMPLOYEE-1 VALUES(3,'JOHN','CLERK',
        9,'12-OCT-2013','BA','DAM',500,2000);
```

```
MYSQL > INSERT INTO EMPLOYEE-1 VALUES(4,'MEENU','MANAGER,
        8,'22-MAR-2015','BSC','ARND',1500,6000);
```

```
MYSQL > INSERT INTO EMPLOYEE-1 VALUES(5,'BHADRA','AE',
        17,'22-JAN-2016','BCOM','VLND',2000,20000);
```

```
MYSQL > SELECT * FROM EMPLOYEE -1;
```

© Increment the commission of all employee by 10

MYSQL > UPDATE EMPLOYEE SET COMSN = COMSN +10;

MYSQL > SELECT COMSN FROM EMPLOYEE -1;

ⓓ Set the salary to 15000 for all managers.

MYSQL > UPDATE EMPLOYEE _ SET SALARY = 15000
                    WHERE JOB = 'MANAGER';

MYSQL > SELECT SALARY FROM EMPLOYEE -1;

ⓔ Display names of employee working in department
   BSC and receiving salary 75000

MYSQL > SELECT EMPLOYEE _ NAME FROM EMPLOYEE -1
           WHERE DEPT_ NAME -'B.SC' AND SALARY 10000;

Result

Output is verified

Output

a)

Field	Type	Null	Key	Default	Extra
EMPLOYEE_NO	int (10)	No	PRI	Null	
EMPLOYEE_NAME	varchar(20)	No		Null	
JOB	varchar(20)	Yes		Null	
M-ID	int (10)	Yes		Null	
HIRE-DATE	int (10)	Yes		Null	
DEPT_NAME	varchar(20)	Yes		Null	
LOCATION	varchar(20)	Yes		Null	
COMMISION	int (10)	Yes		Null	
SALARY	int (10)	Yes		Null	

b)

EMPLOYEE_NO	EMPLOYEE_NAME	JOB	M-ID	HIRE-DATE	DEPT NAME	LOCATION	COMSN	SALARY
1	ANU	CLERK	12	2-7-15	BSC	KTDA	1000	15000
2	MANU	MANAGER	16	12-1-15	BCA	NDD	1200	7000
3	JOHN	CLERK	9	12-7-13	BA	DAM	500	2000
4	MEENU	MANAGER	8	22-3-15	BSC	ARND	1500	6000
5	BHADRA	AE	17	22-1-16	B.COM	NLND	2000	20000

c)

COMSN
1010
1210
510
1510
2010

a. Lab 5 Employe - 1

CREATE TABLE EMPLOYEE-1(EMP...NO INT(10),
...ARY KEY NOT NULL, EMPLOYEE_NAME VARCHAR(30) NOT NULL,
VARCHAR(20), M—ID INT(10), HIRE_DATE VARCHAR(30),
...NAME VARCHAR(30), LOCATION VARCHAR(30),
...MISSION INT(10), SALARY INT(10));

DESC EMPLOYEE - 1;

...5 ROWS into the employee-1 table

INSERT INTO EMPLOYEE-1 VALUES(1, 'ANO', 'CLERK',
'02-OCT-2015', 'BSc', 'KTDH', 1000, 5000);

INSERT INTO EMPLOYEE-1 VALUES(2, 'MANU', 'MANAGER',
'12-JAN-2015', 'BCA', 'NOD', 1360, 1000);

INSERT INTO EMPLOYEE-1 VALUES(3, 'JOHN', 'CLERK',
'15-OCT-2013', 'BA', 'DAM', 860, 2000);

INSERT INTO EMPLOYEE-1 VALUES(4, 'MIZ.NO', 'MANAGER',
'24-MAR-2015', 'BSc', 'BIRND', 1560, 6000);

INSERT INTO EMPLOYEE-1 VALUES(5, 'BHADRA', 'AE',
'04-JAN-2016', 'BCom', 'VLND', 2000, 20000);

d)

SALARY
5000
15000
2000
15000
20000

e) Empty set