(2)   DDL COMMANDS

Aim :- To perform DDL command operations Table
        EMPLOYEE with field

Name	Data type	constraints
Employee_No	int (10)	primary key
Employee-Name	Varchar (20)	NOT NULL
Job	Varchar (20)	
M_id	int (10)	
Hire date	Varchar (20)	
Dept_name	Varchar (20)	
Location	Varchar (20)	

Algorithm

Step 1   : start
Step 2   : Create table Employee
Step 3   : Alter the table
Step 4   : Describe the structure of a table
Step 5   : Drop the table
Step 6   : Stop

@ Create table Employee

MYSQL > CREATE TABLE EMPLOYEE (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));
MYSQL > DESC EMPLOYEE;

ⓑ Add a new column commission to the employee table
also add another field salary to employee.

MYSQL > ALTER TABLE EMPLOYEE ADD COMSN INT(10);
MYSQL > ALTER TABLE EMPLOYEE ADD SALARY INT(10);
MYSQL > DESC EMPLOYEE;

ⓒ Alter the table by dropping the fields salary
and commision.

MYSQL > ALTER TABLE EMPLOYEE DROP COMSN;
MYSQL > ALTER TABLE EMPLOYEE DROP SALARY;
MYSQL > DESC EMPLOYEE;

ⓓ Modify the size of field job from 20 to 30

MYSQL > ALTER TABLE EMPLOYEE MODIFY JOB VARCHAR(30);
MYSQL > DESC EMPLOYEE;

(e) Describe the structure of a table

MYSQL > DESC EMPLOYEE;

(f) Drop the table employee;

MYSQL > DROP TABLE EMPLOYEE;

Result

Output is Verified

Output:

a) Query OK, 0 rows affected

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_DATA	varchar(20)	Yes		Null	
DEPT_NAME	varchar(20)	Yes		Null	
LOCATION	varchar(20)	Yes		Null	

7 rows in set

b) Query OK, 0 rows affected

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-data	varchar(20)	Yes		Null :	
location	varchar(20)	Yes		Null:	
Commission	int (10)	Yes		Null :	
Salary	int (10)	Yes		Null :	

✓

c)

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_DATA	varchar(20)	Yes		Null	
DEPT_NAME	varchar(20)	Yes		Null	
LOCATION	varchar(20)	Yes		Null	

d)

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-DATA	varchar(20)	Yes		Null	
DEPT_NAME	varchar (20)	Yes		Null	
LOCATION	varchar (20)	Yes		Null	

e)

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-DATA	varchar(20)	Yes		Null	
DEPT_NAME	varchar(20)	Yes		Null	
LOCATION	varchar(20)	Yes		Null	