

Task:

Create table practice all DDL commands using different data types like (DATE,DATETIME DECIMAL)

Create a table employee

create table employee(emp_id int primary key,name varchar(30),dept varchar(30),salary decimal (10,2),joining_date date,lastlogin datetime,is_Active boolean);

desc employee;

```
MySQL localhost:33060+ ssl ramya SQL > create table employee(emp_id int primary key,name varchar(30),dept varchar(30),salary decimal (10,2),joining_date date,lastlogin datetime,is_Active boolean);
Query OK, 0 rows affected (0.0201 sec)
MySQL localhost:33060+ ssl ramya SQL > desc employee;
```

| Field | Type | Null | Key | Default | Extra |
|--------------|---------------|------|-----|---------|-------|
| emp_id | int | NO | PRI | NULL | |
| name | varchar(30) | YES | | NULL | |
| dept | varchar(30) | YES | | NULL | |
| salary | decimal(10,2) | YES | | NULL | |
| joining_date | date | YES | | NULL | |
| lastlogin | datetime | YES | | NULL | |
| is_Active | tinyint(1) | YES | | NULL | |

7 rows in set (0.0055 sec)

Insert data into employee table

insert into employee values

(1, 'Aarav', 'IT', 50000.75, '2023-05-10', '2024-01-15 10:45:00', TRUE),

(2, 'Divya', 'HR', 45000.50, '2022-11-25', '2024-01-18 09:00:00', FALSE);

```
MySQL localhost:33060+ ssl ramya SQL > insert into employee values (1, 'Aarav', 'IT', 50000.75, '2023-05-10', '2024-01-15 10:45:00', TRUE),
->
-> (2, 'Divya', 'HR', 45000.50, '2022-11-25', '2024-01-18 09:00:00', FALSE);
Query OK, 2 rows affected (0.0178 sec)
Records: 2 Duplicates: 0 Warnings: 0
MySQL localhost:33060+ ssl ramya SQL > select * from employee;
```

| emp_id | name | dept | salary | joining_date | lastlogin | is_Active |
|--------|-------|------|----------|--------------|---------------------|-----------|
| 1 | Aarav | IT | 50000.75 | 2023-05-10 | 2024-01-15 10:45:00 | 1 |
| 2 | Divya | HR | 45000.50 | 2022-11-25 | 2024-01-18 09:00:00 | 0 |

2 rows in set (0.0018 sec)

Alter table-add, modify, drop

Alter table employee add email varchar(30);

Alter table employee modify salary decimal(12,1);

Alter table employee drop column email;

```
MySQL localhost:33060+ ssl ramya SQL > alter table employee add email varchar(30);
Query OK, 0 rows affected (0.0227 sec)

Records: 0 Duplicates: 0 Warnings: 0
MySQL localhost:33060+ ssl ramya SQL > alter table employee modify salary decimal(12,1);
Query OK, 2 rows affected, 1 warning (0.0788 sec)

Records: 2 Duplicates: 0 Warnings: 1
Note (code 1265): Data truncated for column 'salary' at row 1
MySQL localhost:33060+ ssl ramya SQL > select * from employee;
+-----+-----+-----+-----+-----+-----+-----+-----+
| emp_id | name | dept | salary | joining_date | lastlogin | is_Active | email |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | Aarav | IT | 50000.8 | 2023-05-10 | 2024-01-15 10:45:00 | 1 | NULL |
| 2 | Divya | HR | 45000.5 | 2022-11-25 | 2024-01-18 09:00:00 | 0 | NULL |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.0014 sec)

MySQL localhost:33060+ ssl ramya SQL > alter table employee drop column email;
Query OK, 0 rows affected (0.0388 sec)

Records: 0 Duplicates: 0 Warnings: 0
MySQL localhost:33060+ ssl ramya SQL > select * from employee;
+-----+-----+-----+-----+-----+-----+-----+
| emp_id | name | dept | salary | joining_date | lastlogin | is_Active |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | Aarav | IT | 50000.8 | 2023-05-10 | 2024-01-15 10:45:00 | 1 |
| 2 | Divya | HR | 45000.5 | 2022-11-25 | 2024-01-18 09:00:00 | 0 |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.0013 sec)
```

Rename table:

Rename table employee to staff;

Truncate table: deletes data but keeps its structure

Truncate table staff;

Drop table: delete table.

Drop table staff;

```
MySQL localhost:33060+ ssl ramya SQL > rename table employee to staff;  
Query OK, 0 rows affected (0.0381 sec)  
MySQL localhost:33060+ ssl ramya SQL > truncate table staff;  
Query OK, 0 rows affected (0.0568 sec)  
MySQL localhost:33060+ ssl ramya SQL > select * from staff;  
Empty set (0.0029 sec)  
MySQL localhost:33060+ ssl ramya SQL > drop table staff;  
Query OK, 0 rows affected (0.0368 sec)  
MySQL localhost:33060+ ssl ramya SQL > select * from staff;  
ERROR: 1146: Table 'ramya.staff' doesn't exist
```