EXPERIMENT 1

DDL Commands using CREATE, ALTER, TRUNCATE, and DROP

```
mysql> -- Step 1: Create a database
mysql> CREATE DATABASE ShopDB;
ERROR 1007 (HY000): Can't create database 'shopdb'; database exists
mysql>
mysql> -- Step 2: Select the database
mysql> USE ShopDB;
Database changed
mysql>
mysql> -- Step 3: Now create your table inside ShopDB
mysql> CREATE TABLE Orders (
    ->     OrderID INT PRIMARY KEY,
    ->     CustomerName VARCHAR(50),
    ->     Product VARCHAR(50),
    ->     Quantity INT
    -> );
ERROR 1050 (42S01): Table 'orders' already exists
mysql> DROP TABLE Orders;
Query OK, 0 rows affected (0.05 sec)

mysql> CREATE TABLE Orders (
    ->     OrderID INT PRIMARY KEY,
    ->     CustomerName VARCHAR(50),
    ->     Product VARCHAR(50),
    ->     Quantity INT
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> SHOW TABLES;
+------------------+
| Tables_in_shopdb |
+------------------+
| orders           |
+------------------+
1 row in set (0.03 sec)

mysql>
```

```
mysql> -- Add new column
mysql> ALTER TABLE Orders
    -> ADD OrderDate DATE;
Query OK, 0 rows affected (0.11 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> DESC Orders;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| OrderID      | int         | NO   | PRI | NULL    |       |
| CustomerName | varchar(50) | YES  |     | NULL    |       |
| Product      | varchar(50) | YES  |     | NULL    |       |
| Quantity     | int         | YES  |     | NULL    |       |
| OrderDate    | date        | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

```
mysql> INSERT INTO Orders VALUES (1, 'Ravi', 'Laptop', 2, '2025-09-27');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Orders VALUES (2, 'Anita', 'Mobile', 1, '2025-09-27');
Query OK, 1 row affected (0.01 sec)

mysql>
mysql> SELECT * FROM Orders;
+---------+--------------+---------+----------+------------+
| OrderID | CustomerName | Product | Quantity | OrderDate  |
+---------+--------------+---------+----------+------------+
|       1 | Ravi         | Laptop  |        2 | 2025-09-27 |
|       2 | Anita        | Mobile  |        1 | 2025-09-27 |
+---------+--------------+---------+----------+------------+
2 rows in set (0.00 sec)

mysql> TRUNCATE TABLE Orders;
Query OK, 0 rows affected (0.07 sec)

mysql> SELECT * FROM Orders;
Empty set (0.00 sec)

mysql> DROP TABLE Orders;
Query OK, 0 rows affected (0.03 sec)

mysql> DESC Orders;
ERROR 1146 (42S02): Table 'shopdb.orders' doesn't exist
mysql>
```