

1) Create, Update, Delete Commands in MySQL

CREATE:

Creating Database:

```
CREATE DATABASE my_university;
```

Creating a new Table:

```
CREATE TABLE Dept (Sno INT, dept_name varchar(5), Fac varchar(20));
```

UPDATE:

```
UPDATE Dept SET dept_name="CSE" WHERE Fac="Shivani M";
```

DELETE:

```
DELETE FROM Dept;
```

```
DELETE FROM Dept WHERE dept_name="ECE";
```

2) Create Tables and perform joins in MySQL

Creating two tables:

```
CREATE TABLE customers (customer_id INT PRIMARY KEY, Customer_name VARCHAR(100),  
email VARCHAR(100), phone VARCHAR(20));
```

```
CREATE TABLE orders (order_id INT PRIMARY KEY, customer_id INT, order_date DATE,  
total_amount DECIMAL(10,2), FOREIGN KEY (customer_id) REFERENCES  
Customers(customer_id));
```

Performing JOIN:

```
SELECT customers.customer_name, orders.order_id, orders.order_date FROM customers JOIN  
orders ON customers.customer_id=orders.customer_id;
```

3) Create, Update, Delete commands in MongoDB:

Create Database:

```
use mydb;
```

Create tables:

```
// Insert documents into the 'customers' collection
```

```
db.customers.insertOne({  
  customer_id: 1,  
  customer_name: "John Doe",  
  email: "john.doe@example.com",  
  phone: "1234567890"  
});
```

```
db.customers.insertOne({
  customer_id: 2,
  customer_name: "Jane Smith",
  email: "jane.smith@example.com",
  phone: "9876543210"
});
```

// Insert documents into the 'orders' collection

```
db.orders.insertOne({
  order_id: 1,
  customer_id: 1,
  order_date: ISODate("2023-05-28"),
  total_amount: 50.99
});
```

```
db.orders.insertOne({
  order_id: 2,
  customer_id: 2,
  order_date: ISODate("2023-05-29"),
  total_amount: 75.50
});
```

READ:

```
db.orders.find({ customer_id: 1 });
```

UPDATE:

```
db.customers.updateOne({ customer_id: 1 }, { $set: { phone: "5555555555" } });
```

```
db.orders.deleteOne({ order_id: 2 });
```

DELETE:

```
db.orders.deleteOne({ order_id: 2 });
```