

ASSIGNMENT 3

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Code mysql:

```
CREATE TABLE employees (  
    id INT PRIMARY KEY AUTO INCREMENT,  
    name VARCHAR(50),  
    department VARCHAR(50),  
    salary DECIMAL(10, 2)  
);  
INSERT INTO employees (name, department, salary)  
VALUES  
    ('John Doe', 'Sales', 5000.00),  
    ('Jane Smith', 'Marketing', 6000.00),  
    ('Mike Johnson', 'HR', 4500.00),  
    ('Emily Davis', 'IT', 7000.00);  
UPDATE employees SET salary = 5500.00 WHERE id = 1;  
DELETE FROM employees WHERE id = 3;  
SELECT employees.name, departments.department_name  
FROM employees  
INNER JOIN departments ON employees.department_id =  
departments.id;
```

Code Mongodb:

```
use mydatabase // Switch to your desired database
```

```
db.createCollection("users")
```

```
db.users.insertOne({ name: "John", age: 25, email: "john@example.com" })
```

```
db.users.insertMany([
  { name: "Jane", age: 28, email: "jane@example.com" },
  { name: "Bob", age: 30, email: "bob@example.com" }
])
```

```
db.users.updateOne(
  { name: "John" },
  { $set: { age: 26, email: "newemail@example.com" } }
)
```

```
db.users.updateMany(
  { age: { $gt: 25 } },
  { $inc: { age: 1 } }
)
```

```
db.users.deleteOne({ name: "Jane" })
```

```
db.users.deleteMany({ age: { $gte: 30 } })
```

```
db.users.aggregate([
  {
    $lookup: {
      from: "orders",
      localField: "_id",
      foreignField: "userId",
      as: "userOrders"
    }
  }
])
```