



## Practice Assignment – SQL Statements

### **SQL Assignment: Employee Database**

Consider a simple database with the following schema for the `Customer` table:

```
CREATE TABLE customer (
    customer_id number PRIMARY KEY,
    name VARCHAR(25) NOT NULL,
    email VARCHAR(25) UNIQUE NOT NULL,
    phone VARCHAR(12)
)
```

*Practice Questions:*

#### **1. INSERT:**

- Write an SQL statement to insert a new customer with the following information:

Name: John Smith

Email: [email address removed]

Phone: (555) 555-5555
- You need to add a new column named "city" to the customer table. Write an ALTER TABLE statement to add this column with a data type of VARCHAR(50).

#### **2. DELETE:**

- A customer with the email address "[email address removed]" has requested their information be removed from your database. Write an SQL statement to delete this customer's record.
- Imagine all customers with phone numbers starting with "555" are moving to a new system. Write an SQL statement to delete all these customers from the database.

#### **3. UPDATE:**

- A customer's email address has changed from "[email address removed]" to "[email address removed]". Write an SQL statement to update this customer's email address.

- *There is a typo in the product table where the price for product ID 123 is listed as "\$100.00" instead of "100.00". Write an SQL statement to update the price for this product.*

#### 4. WHERE:

- *You need to retrieve a list of all customers who live in the city of "New York". Write an SQL statement using the SELECT command with the WHERE clause to achieve this.*
- *You want to see a list of all products with a price greater than \$50.00. Write an SQL statement using the SELECT command with the WHERE clause to retrieve this information.*

#### 5. Bonus:

*Combine the concepts learned in these questions to perform a more complex task. For example, imagine you want to update the email address for all customers who live in "California" and have a phone number starting with "555". Write an SQL statement to achieve this.*

---

-----Live To Code, Code To Live-----

