# Assignment-1

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**Assignment 1:** Write a SELECT query to retrieve all columns from a 'customers' table, and modify it to return only the customer's name and email address for customers in a specific city.

## Creating Customers Table

```
mysql> CREATE TABLE customers (
    ->     customer_id INT AUTO_INCREMENT PRIMARY KEY,
    ->     customer_name VARCHAR(100) NOT NULL,
    ->     email VARCHAR(100) NOT NULL,
    ->     city VARCHAR(50),
    ->     phone VARCHAR(15),
    ->     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
    -> );
Query OK, 0 rows affected (0.02 sec)
```

## Inserting data into the Customers table:

```
mysql> INSERT INTO customers (customer_name, email, city, phone)
    -> VALUES
    -> ('Alice Johnson', 'alice.johnson@example.com', 'Los Angeles', '987-654-3210'),
    -> ('Bob Smith', 'bob.smith@example.com', 'Chicago', '123-987-6543'),
    -> ('Charlie Brown', 'charlie.brown@example.com', 'New York', '456-789-1230'),
    -> ('Diana Prince', 'diana.prince@example.com', 'San Francisco', '789-123-4567');
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

## Retrieve All Columns from the 'customers' Table

```
mysql> select * from customers;
+-------------+---------------+---------------------------+---------------+--------------+---------------------+
| customer_id | customer_name | email                     | city          | phone        | created_at          |
+-------------+---------------+---------------------------+---------------+--------------+---------------------+
|           1 | Alice Johnson | alice.johnson@example.com | Los Angeles   | 987-654-3210 | 2025-01-16 16:28:43 |
|           2 | Bob Smith     | bob.smith@example.com     | Chicago       | 123-987-6543 | 2025-01-16 16:28:43 |
|           3 | Charlie Brown | charlie.brown@example.com | New York      | 456-789-1230 | 2025-01-16 16:28:43 |
|           4 | Diana Prince  | diana.prince@example.com  | San Francisco | 789-123-4567 | 2025-01-16 16:28:43 |
+-------------+---------------+---------------------------+---------------+--------------+---------------------+
4 rows in set (0.00 sec)

mysql>
```

## Retrieve Only customer_name and email for Customers in a Specific City

```
mysql> select customer_name, email from customers where city='Chicago';
+---------------+------------------------+
| customer_name | email                  |
+---------------+------------------------+
| Bob Smith     | bob.smith@example.com  |
+---------------+------------------------+
1 row in set (0.00 sec)

mysql> select customer_name, email from customers where city='New York';
+---------------+---------------------------+
| customer_name | email                     |
+---------------+---------------------------+
| Charlie Brown | charlie.brown@example.com |
+---------------+---------------------------+
1 row in set (0.00 sec)
```