**Assignment 8**

**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.**

**Retrieve All Columns**

To retrieve all columns from the **customers** table:

SELECT \* FROM customers;

**Retrieve Customer Name and Email Address for Customers in a Specific City**

Let's say we want to retrieve the customer name (name) and email address (email) for customers located in the city New York. Assuming the customers table has columns named name, email, and city, the query would be:

SELECT name, email

FROM customers

WHERE city = 'New York';

**Generalized Query for Any City**

To make this query more flexible for any city, you can replace 'New York' with a placeholder or a variable, depending on the context in which you are running the query. For example, in a stored procedure or an application, you might use a parameter.

Here is the general form of the query:

SELECT name, email

FROM customers

WHERE city = 'Specific City';

**Example with SQL Placeholder**

If you are using a programming language to interact with the database, you might use a placeholder or parameterized query. For instance, in Python with a library like sqlite3 or mysql-connector-python, it might look something like this:

city = 'New York'

cursor.execute("SELECT name, email FROM customers WHERE city = %s", (city,))

**Or in a stored procedure, it might look like this:**

CREATE PROCEDURE GetCustomersByCity (IN cityName VARCHAR(255))

BEGIN

SELECT name, email

FROM customers

WHERE city = cityName;

END;

**Summary**

**Query to retrieve all columns:**

SELECT \* FROM customers;

**Query to retrieve customer name and email address for customers in a specific city (e.g., 'New York'):**

SELECT name, email

FROM customers

WHERE city = 'New York';

**Generalized query for any city:**

SELECT name, email

FROM customers

WHERE city = 'Specific City';

Make sure to replace 'Specific City' with the actual city you are interested in when running the query.