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Topic – SQL Assignment : 08

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Assignment 8: Write a SELECT query to retrieve all columns from a 'customers' table, and modify it to return only the customer name and email address for customers in a specific city.

Solution :

- Create a customer table :

```
mysql> CREATE TABLE customers (
    -->     customer_id INT PRIMARY KEY,
    -->     customer_name VARCHAR(100),
    -->     email VARCHAR(100),
    -->     city VARCHAR(50),
    -->     phone_number VARCHAR(20),
    -->     address VARCHAR(255)
    --> );
Query OK, 0 rows affected (0.09 sec)
```

1.

- Insert Records :

```
mysql> INSERT INTO customers (customer_id, customer_name, email, city, phone_number, address)
    --> VALUES
    --> (1, 'John Doe', 'john.doe@example.com', 'New York', '123-456-7890', '123 Elm Street, New York, NY 10001'),
    --> (2, 'Jane Smith', 'jane.smith@example.com', 'Los Angeles', '234-567-8901', '456 Maple Avenue, Los Angeles, CA 90001'),
    --> (3, 'Mike Johnson', 'mike.johnson@example.com', 'Chicago', '345-678-9012', '789 Oak Road, Chicago, IL 60601'),
    --> (4, 'Emily Davis', 'emily.davis@example.com', 'New York', '456-789-0123', '101 Pine Street, New York, NY 10002'),
    --> (5, 'David Brown', 'david.brown@example.com', 'San Francisco', '567-890-1234', '202 Birch Lane, San Francisco, CA 94101');
Query OK, 5 rows affected (0.03 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

2.

- View whole Table :

```
mysql> SELECT * FROM customers;
+-----+-----+-----+-----+-----+
| customer_id | customer_name | email | city | phone_number | address |
+-----+-----+-----+-----+-----+
| 1 | John Doe | john.doe@example.com | New York | 123-456-7890 | 123 Elm Street, New York, NY 10001 |
| 2 | Jane Smith | jane.smith@example.com | Los Angeles | 234-567-8901 | 456 Maple Avenue, Los Angeles, CA 90001 |
| 3 | Mike Johnson | mike.johnson@example.com | Chicago | 345-678-9012 | 789 Oak Road, Chicago, IL 60601 |
| 4 | Emily Davis | emily.davis@example.com | New York | 456-789-0123 | 101 Pine Street, New York, NY 10002 |
| 5 | David Brown | david.brown@example.com | San Francisco | 567-890-1234 | 202 Birch Lane, San Francisco, CA 94101 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

3.

- modify it to return only the customer name and email address for customers in a specific city.

```
mysql> SELECT customer_name, email
-> FROM customers
-> WHERE city = 'New York';
+-----+-----+
| customer_name | email           |
+-----+-----+
| John Doe      | john.doe@example.com |
| Emily Davis    | emily.davis@example.com |
+-----+-----+
2 rows in set (0.00 sec)
```

4.