Praktikum

Susunan Tabel

Tabel Employees

```
MariaDB [xi_rpl_1]> SELECT * FROM Employees;
+-------+-----------+-----------+----------------+---------------------------+----------+---------+----------------+--------+
| EmpID | LastName  | FirstName | Title          | Address                   | City     | Country | HomePhone      | Salary |
+-------+-----------+-----------+----------------+---------------------------+----------+---------+----------------+--------+
|     1 | Davolio   | Nancy     | Sales Rep.     | 507 - 20th Ave. E. Apt. 2A | Seattle  | USA     | (206) 555-9857 |   5450 |
|     2 | Fuller    | Andrew    | Vice President | 908 W. Capital Way        | Tacoma   | USA     | (206) 555-9482 |   5210 |
|     3 | Leverling | Janet     | Sales Rep.     | 722 Moss Bay Blvd.        | Kirkland | USA     | (206) 555-3412 |   6575 |
|     4 | Peacock   | Margaret  | Sales Rep.     | 4110 Old Redmond Rd.      | Redmond  | USA     | (206) 555-8122 |   8210 |
|     5 | Buchanan  | Steven    | Sales Manager  | 14 Garrett Hill           | London   | UK      | (71) 555-4848  |   4970 |
|     6 | Suyama    | Michael   | Sales Rep.     | Coventry House Miner Rd.  | London   | UK      | (71) 555-7773  |   6435 |
|     7 | King      | Robert    | Sales Rep.     | 12 Winchester Way         | London   | UK      | (71) 555-5598  |   6435 |
|     8 | Callahan  | Laura     | Sales Coord.   | 4726 - 11th Ave. N.E.     | Seattle  | USA     | (206) 555-1189 |   7250 |
|     9 | Dodsworth | Anne      | Sales Rep.     | 7 Houndstooth Rd.         | London   | UK      | (71) 555-4444  |   5670 |
+-------+-----------+-----------+----------------+---------------------------+----------+---------+----------------+--------+
9 rows in set (0.000 sec)
```

Tabel Orders

```
MariaDB [xi_rpl_1]> select * from orders
    -> ;
+---------+--------+-------+-----------+--------------+-------------+--------+
| OrderID | CustID | EmpID | OrderDate | RequiredDate | ShippedDate | ShipVia |
+---------+--------+-------+-----------+--------------+-------------+--------+
|   10256 | EASTC  |     3 | 8/15/1994 | 9/12/1994    | 8/17/1994   |      2 |
|   10257 | SEVES  |     4 | 8/16/1994 | 9/13/1994    | 8/22/1994   |      3 |
|   10258 | MAISD  |     1 | 8/16/1994 | 9/14/1994    | 8/23/1994   |      1 |
|   10259 | ALFKI  |     4 | 8/18/1994 | 9/15/1994    | 8/25/1994   |      3 |
|   10260 | ISLAT  |     4 | 8/19/1994 | 9/16/1994    | 8/29/1994   |      1 |
+---------+--------+-------+-----------+--------------+-------------+--------+
5 rows in set (0.051 sec)
```

Query 1

```
MariaDB [xi_rpl_1]> select * from employees where
    -> city = (select city from employees where lastname = 'Callahan');
+-------+-----------+-----------+--------------+---------------------------+---------+---------+----------------+
| Empld | LastName  | FirstName | Title        | Address                   | City    | Country | HomePhone      |
+-------+-----------+-----------+--------------+---------------------------+---------+---------+----------------+
|     1 | Davolio   | Nancy     | Sales Rep.   | 507 - 20th Ave. E. Apt. 2A | Seattle | USA     | (206) 555-9857 |
|     8 | Callahan  | Laura     | Sales Coord. | 4726 - 11th Ave. N.E.     | Seattle | USA     | (206) 555-1189 |
+-------+-----------+-----------+--------------+---------------------------+---------+---------+----------------+
2 rows in set (0.001 sec)
```

- `SELECT city FROM employees WHERE lastname = 'Callahan'`
- Subquery ini akan mencari dan mengembalikan nilai kota (city) dari karyawan yang memiliki nama belakang (lastname) 'Callahan'.
- Subquery ini hanya akan mengembalikan satu baris/nilai, yaitu kota tempat tinggal

karyawan bernama belakang 'Callahan'.

Query 2

```
MariaDB [xi_rpl_1]> select * from employees where
    -> salary < (select AVG(salary) FROM employees);
+-------+-----------+-----------+----------------+--------------------------+---------+---------+----------------+--------+
| EmpId | LastName  | FirstName | Title          | Address                  | City    | Country | HomePhone      | Salary |
+-------+-----------+-----------+----------------+--------------------------+---------+---------+----------------+--------+
|     1 | Davolio   | Nancy     | Sales Rep.     | 507 - 20th Ave. E. Apt. 2A | Seattle | USA     | (206) 555-9857 |   5450 |
|     2 | Fuller    | Andrew    | Vice President | 908 W. Capital Way       | Tacoma  | USA     | (206) 555-9482 |   5210 |
|     5 | Buchanan  | Steven    | Sales Manager  | 14 Garrett Hill          | London  | UK      | (71) 555-4848  |   4970 |
|     9 | Dodsworth | Anne      | Sales Rep.     | 7 Houndstooth Rd.        | London  | UK      | (71) 555-4444  |   5670 |
+-------+-----------+-----------+----------------+--------------------------+---------+---------+----------------+--------+
4 rows in set (0.001 sec)
```

Query 3

```
MariaDB [xi_rpl_1]> SELECT * FROM Employees
    -> WHERE EmpID NOT IN(SELECT EmpID FROM Orders);
+-------+-----------+-----------+----------------+--------------------------+---------+---------+----------------+--------+
| EmpID | LastName  | FirstName | Title          | Address                  | City    | Country | HomePhone      | Salary |
+-------+-----------+-----------+----------------+--------------------------+---------+---------+----------------+--------+
|     2 | Fuller    | Andrew    | Vice President | 908 W. Capital Way       | Tacoma  | USA     | (206) 555-9482 |   5210 |
|     5 | Buchanan  | Steven    | Sales Manager  | 14 Garrett Hill          | London  | UK      | (71) 555-4848  |   4970 |
|     6 | Suyama    | Michael   | Sales Rep.     | Coventry House Miner Rd. | London  | UK      | (71) 555-7773  |   6435 |
|     7 | King      | Robert    | Sales Rep.     | 12 Winchester Way        | London  | UK      | (71) 555-5598  |   6435 |
|     8 | Callahan  | Laura     | Sales Coord.   | 4726 - 11th Ave. N.E.    | Seattle | USA     | (206) 555-1189 |   7250 |
|     9 | Dodsworth | Anne      | Sales Rep.     | 7 Houndstooth Rd.        | London  | UK      | (71) 555-4444  |   5670 |
+-------+-----------+-----------+----------------+--------------------------+---------+---------+----------------+--------+
6 rows in set (0.001 sec)
```

Query 4

Query 5

Query 6

Query 7

Query 8

Query 9

Query 10

Query 11

Query 12

Query 13

Query 14