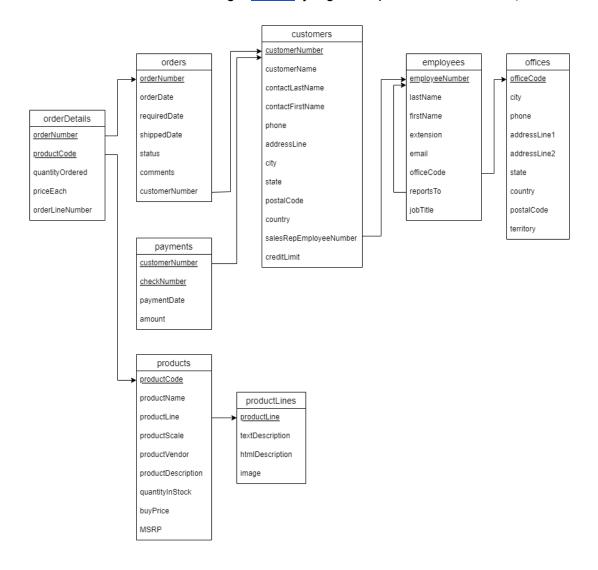
# Pembahasan Praktikum 1 IF2240 Basis Data

Materi: SQL (Part 1)

# I. Skema Basis Data

Diberikan skema basis data sebagai berikut, yang tersimpan dalam database prak1.



# II. Soal Praktikum

1. Buatlah query untuk menampilkan seluruh tabel yang terdapat dalam database prak1!

```
ALTERNATIF QUERY:
SHOW TABLES;

SCREENSHOT:

MariaDB [prak1]> SHOW TABLES;

+-----+

| Tables_in_prak1 |
+-----+

| customers |
employees |
offices |
orderdetails |
orders |
payments |
productlines |
products |
+-----+
8 rows in set (0,001 sec)
```

2. Buatlah *query* untuk menampilkan seluruh nomor dan nama lengkap pegawai sebagai kolom *fullName* yang melapor kepada atasan yang memiliki jabatan sebagai "Sales Manager (APAC)".

(clue: gunakan CONCAT() untuk menggabungkan beberapa string)

```
ALTERNATIF QUERY:

SELECT e1.employeeNumber, concat(e1.firstName, ' ', e1.lastName) AS fullName
FROM employees AS e1, employees AS e2
WHERE e1.reportsTo = e2.employeeNumber AND e2.jobTitle = "Sales Manager
(APAC)";

SCREENSHOT:

MariaDB [prak1] > select e1.employeeNumber, concat(e1.firstName, ' ', e1.lastName) as fullName from employees as e1, employees as e2 where e1.reportsTo = e2.employeeNumber and e2.jobTitle = "Sales Manager (APAC)";

employeeNumber | fullName |

1611 | Andy Fixter |
1612 | Peter Marsh |
1619 | Tom King |
1619 | Tom King |
3 rows in set (0.025 sec)
```

3. Buatlah *query* untuk menampilkan nama produk, harga beli, skala produk, dan vendor produk untuk produk dengan harga beli yang lebih besar dari 15.5 dan lebih kecil dari 50 terurut mengecil berdasarkan harga beli!

# ALTERNATIF QUERY:

SELECT productName, buyPrice, productScale, productVendor FROM products
WHERE buyPrice > 15.5 and buyPrice < 50
ORDER BY buyPrice DESC;

# SCREENSHOT:

-> FROM products -> WHERE buyPrice > 15.5 and buyPrice < 50 -> ORDER BY buyPrice DESC;			
productName	+   buyPrice	+   productScale	+   productVendor
1970 Chevy Chevelle SS 454	+   49.24	1:24   1:18   1:72	+   Unimax Art Galleries
1969 Dodge Super Bee	49.05	1 1.18	Min Lin Diecast
P-51-D Mustang	49.00	1:72	Gearbox Collectibles
1969 Harley Davidson Ultimate Chopper	48.81	1:10	Min Lin Diecast
1940 Ford Delivery Sedan	48.64	1:72   1:10   1:24   1:24   1:24	Carousel DieCast Legends   Classic Metal Creations
1949 Jaguar XK 120	47.25	1:24	Classic Metal Creations
1982 Ducati 900 Monster	47.10	1:24	Highway 66 Mini Classics
1912 Ford Model T Delivery Wagon			Min Lin Diecast
1982 Camaro Z28	46.53	1:18	Carousel DieCast Legends
The Mayflower	43.30	1:700	Studio M Art Models
1932 Alfa Romeo 8C2300 Spider Sport	43.26	1:18	Exoto Designs
HMS Bounty	39.83	1:700	Unimax Art Galleries
1971 Alpine Renault 1600s		1:24	Welly Diecast Production
1962 City of Detroit Streetcar		1:50	Classic Metal Creations
1960 BSA Gold Star DBD34	37.32	1:24	Highway 66 Mini Classics
American Airlines: MD-11S		1:700	Second Gear Diecast
1900s Vintage Tri-Plane		1:24	Unimax Art Galleries
1934 Ford V8 Coupe	34.35	1:18	Min Lin Diecast
1900s Vintage Bi-Plane	34.25	1:24	Autoart Studio Design
1957 Ford Thunderbird	34.21	1:18	Studio M Art Models
2002 Yamaha YZR M1			Autoart Studio Design
The Schooner Bluenose		1:700	Autoart Studio Design
The USS Constitution Ship		1:700	Red Start Diecast
1996 Peterbilt 379 Stake Bed with Outrigger		1:32	Red Start Diecast
Pont Yacht		1:72	Unimax Art Galleries
1911 Ford Town Car		1:18	Motor City Art Classics
1928 Ford Phaeton Deluxe		1:32	Highway 66 Mini Classics
1957 Vespa GS150		1:18	Studio M Art Models
Boeing X-32A JSF		1:72	Motor City Art Classics
1970 Dodge Coronet		1:24	Highway 66 Mini Classics
1961 Chevrolet Impala		1:18	Classic Metal Creations
1970 Plymouth Hemi Cuda		1:12	Studio M Art Models
Corsair F4U ( Bird Cage)		1:24	Second Gear Diecast
1966 Shelby Cobra 427 S/C		1:24	Carousel DieCast Legends
1930 Buick Marquette Phaeton		1:50	Studio M Art Models
1950's Chicago Surface Lines Streetcar	26.72		Gearbox Collectibles
1937 Horch 930V Limousine		1:24	Autoart Studio Design
1954 Greyhound Scenicruiser		1:32	Classic Metal Creations
1926 Ford Fire Engine		1:18	Carousel DieCast Legends
1936 Mercedes-Benz 500K Special Roadster		1:18	Studio M Art Models
1936 Harley Davidson El Knucklehead		1:18	Welly Diecast Production
1982 Ducati 996 R		1:32	Gearbox Collectibles
1939 Cadillac Limousine		1:18	Studio M Art Models
1939 Chevrolet Deluxe Coupe			Motor City Art Classics
1936 Mercedes Benz 500k Roadster	21.75	1:24	Red Start Diecast
1938 Cadillac V-16 Presidential Limousine	20.61	1:24	Classic Metal Creations
1982 Lamborghini Diablo	16.24	1:24	Second Gear Diecast
1958 Chevy Corvette Limited Edition	15.91	1:24	Carousel DieCast Legends

4. Buatlah *query* yang menampilkan nama lengkap, jabatan, alamat kantor (addressLine1), serta negara kantor tempat bekerja karyawan yang memiliki nama depan berawalan huruf G dan terdiri dari 6 huruf!

```
ALTERNATIF QUERY:

SELECT CONCAT(firstName, ' ', lastName) fullName, jobTitle, addressLine1, country

FROM employees AS e, offices as o

WHERE firstName LIKE 'G_____' AND o.officeCode=e.officeCode;

SCREENSHOT:

MariaDB [prak1] > SELECT CONCAT(firstName, ' ', lastName) fullName, jobTitle, addressLine1, country
-> FROM employees AS e, offices as o
-> WHERE firstName LIKE 'G____' AND o.officeCode=e.officeCode;

I fullName | jobTitle | addressLine1 | country |

George Vanauf | Sales Rep | 523 East 53rd Street | USA |
Gerard Bondur | Sale Manager (EMEA) | 43 Rue Jouffroy D'abbans | France |
Gerard Hernandez | Sales Rep | 43 Rue Jouffroy D'abbans | France |
Gerard Hernandez | Sales Rep | 43 Rue Jouffroy D'abbans | France |
```

Note: karena tidak ada ketentuan nama kolom untuk nama lengkap karyawan, nama kolom tersebut dibebaskan dalam penilaian. Ketentuan juga dibebaskan pada alamat kantor (boleh menggunakan addressLine1, addressLine2, ataupun keduanya.

5. Buatlah *query* untuk menampilkan 5 nama customer yang berbeda beserta nomor pemesanan untuk pesanan kendaraan berjenis "Classic Cars" yang paling baru dikirim! (clue: gunakan LIMIT untuk membatasi banyak data yang ditampilkan)

 Buatlah query untuk menampilkan nama customer dari Singapore yang pernah memesan produk dengan nama "1926 Ford Fire Engine" pada tahun 2004 dan produk dengan nama "Corsair F4U ( Bird Cage)" pada tahun 2003

```
ALTERNATIF QUERY:
(SELECT DISTINCT customerName
FROM
      customers as c.
      orders as o.
      orderdetails as od,
      products as p
WHERE
      c.customerNumber = o.customerNumber
      AND o.orderNumber = od.orderNumber
      AND od.productCode = p.productCode
      AND p.productName = "1926 Ford Fire Engine"
      AND c.country = "Singapore"
      AND YEAR(o.orderDate) = 2004
INTERSECT
(SELECT DISTINCT customerName
FROM
      customers as c.
      orders as o,
      orderdetails as od,
      products as p
WHERE
      c.customerNumber = o.customerNumber
      AND o.orderNumber = od.orderNumber
      AND od.productCode = p.productCode
```

```
AND p.productName = "Corsair F4U ( Bird Cage)"
      AND c.country = "Singapore"
      AND YEAR(o.orderDate) = 2003
);
SCREENSHOT:
MariaDB [prak1]> (SELECT DISTINCT customerName
    -> FROM
    -> customers as c,
    -> orders as o,
    -> orderdetails as od,
    -> products as p
    -> WHERE
    -> c.customerNumber = o.customerNumber
     -> AND o.orderNumber = od.orderNumber
    -> AND od.productCode = p.productCode
    -> AND p.productName = "1926 Ford Fire Engine"
    -> AND c.country = "Singapore"
    -> AND YEAR(o.orderDate) = 2004
    -> )
    -> INTERSECT
    -> (SELECT DISTINCT customerName
    -> customers as c,
    -> orders as o,
    -> orderdetails as od,
    -> products as p
    -> WHERE
    -> c.customerNumber = o.customerNumber
    -> AND o.orderNumber = od.orderNumber
    -> AND od.productCode = p.productCode
    -> AND p.productName = "Corsair F4U ( Bird Cage)"
    -> AND c.country = "Singapore"
    -> AND YEAR(o.orderDate) = 2003
    -> );
 Empty set (0.001 sec)
```

7. Buatlah *query* untuk menampilkan seluruh nama produk, waktu pemesanan, dan waktu pengiriman untuk produk yang dikirim lebih dari 30 hari sejak tanggal pemesanan. (clue: untuk mendapatkan selisih antara dua waktu, gunakan TIMESTAMPDIFF(unit, date1, date2). Unit dapat diisi dengan DAY, MONTH, atau YEAR.)

```
ALTERNATIF QUERY:

SELECT productName, orderDate, shippedDate
FROM orders AS o, orderdetails AS od, products AS p
WHERE o.orderNumber = od.orderNumber AND od.productCode = p.productCode AND
TIMESTAMPDIFF(DAY, orderDate, shippedDate) > 30;

SCREENSHOT:
```

```
MariaDB [prak1]> SELECT productName, orderDate, shippedDate
-> FROM orders AS o, orderdetails AS od, products AS p
-> WHERE o.orderNumber = od.orderNumber AND od.productCode = p.productCode AND TIMESTAMPDIFF(DAY, orderDate, ship
pedDate) > 30;
     productName
                                                                                                                                                                       | orderDate | shippedDate |
                                                                                                                                                                             2003-10-22 | 2003-12-26
2003-10-22 | 2003-12-26
      2001 Ferrari Enzo
      1969 Corvair Monza
                                                                                                                                                                            2003-10-22 | 2003-12-26
2003-10-22 | 2003-12-26
2003-10-22 | 2003-12-26
      1969 Ford Falcon
     1957 Chevy Pickup
      1998 Chrysler Plymouth Prowler
      1964 Mercedes Tour Bus
                                                                                                                                                                            2003-10-22 | 2003-12-26
     1926 Ford Fire Engine
1992 Ferrari 360 Spider red
                                                                                                                                                                                                                                   2003-12-26
                                                                                                                                                                              2003-10-22
                                                                                                                                                                       | 2003-10-22 | 2003-12-26
                                                                                                                                                                                                                                   2003-12-26
      Collectable Wooden Train
                                                                                                                                                                             2003-10-22
                                                                                                                                                                             2003-10-22 | 2003-12-26
2003-10-22 | 2003-12-26
      1970 Triumph Spitfire
      1970 Dodge Coronet
     1962 Volkswagen Microbus
1958 Chevy Corvette Limited Edition
                                                                                                                                                                           2003-10-22 | 2003-12-26
2003-10-22 | 2003-12-26
     | 1992 Porsche Cayenne Turbo Silver | 2003-10-22 | 2003-12-26 | 1954 Greyhound Scenicruiser | 2003-10-22 | 2003-12-26 | 1950's Chicago Surface Lines Streetcar | 2003-10-22 | 2003-12-26 | 1962 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1962 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1964 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar | 2003-10-22 | 2003-12-26 | 1965 City of Detroit Streetcar
18 rows in set (0,008 sec)
```

8. Buatlah *query* untuk menampilkan nama customer dari negara Spain atau Denmark beserta nomor order, tanggal order, dan status order yang dipesan oleh customer tersebut sebelum tahun 2004 dan di luar bulan Maret sampai Agustus (clue: Gunakan MONTH(date) atau YEAR(date) untuk mengekstrak komponen bulan atau tahun dari tanggal)

```
ALTERNATIF QUERY:

(SELECT customerName, country, orderNumber, orderDate, status
FROM customers AS c, orders AS o
WHERE c.customerNumber = o.customerNumber
AND YEAR(orderDate) < 2004 AND (country = 'Spain' OR country = 'Denmark'))
EXCEPT
(SELECT customerName, country, orderNumber, orderDate, status
FROM customers AS c, orders AS o
WHERE c.customerNumber = o.customerNumber
AND MONTH(orderDate) BETWEEN 3 AND 8 AND YEAR(orderDate) = 2002 AND (country = 'Spain' OR country = 'Denmark'));

SCREENSHOT:
```

```
MariaDB [prak1]> (SELECT customerName, country, orderNumber, orderDate, status
    -> FROM customers AS c, orders AS o
-> WHERE c.customerNumber = o.customerNumber
     -> AND YEAR(orderDate) < 2004 AND (country = 'Spain' OR country = 'Denmark'))
     -> EXCEPT
    -> (SELECT customerName, country, orderNumber, orderDate, status
-> FROM customers AS c, orders AS o
-> WHERE c.customerNumber = o.customerNumber
     -> AND MONTH(orderDate) BETWEEN 3 AND 8 AND YEAR(orderDate) = 2002 AND (country = 'Spain' OR country = 'Denmark';
                                       | country | orderNumber | orderDate | status |
 customerName
                                         Spain |
Spain |
Spain |
Spain |
Spain |
Spain |
                                                                10104 | 2003-01-31 |
10128 | 2003-06-06 |
10133 | 2003-06-27 |
  Euro+ Shopping Channel
                                                                                              Shipped
  Euro+ Shopping Channel
                                                                                              Shipped
  Euro+ Shopping Channel
                                                                                              Shipped
                                                                10153 | 2003-00-27 |
10153 | 2003-09-28 |
10156 | 2003-10-08 |
  Euro+ Shopping Channel
                                                                                              Shipped
  Euro+ Shopping Channel
Euro+ Shopping Channel
                                                                                              Shipped
                                                                 10190 | 2003-11-19
                                                                                              Shipped
  Euro+ Shopping Channel
                                                                 10203 | 2003-12-02
                                           Spain
                                                                                              Shipped
  Euro+ Shopping Channel
                                          Spain
                                                                 10205 | 2003-12-03
  Danish Wholesale Imports
                                          Denmark |
                                                                 10105 | 2003-02-11
                                                                10118 | 2003-02-11
10118 | 2003-04-21 |
10197 | 2003-11-26 |
10161 | 2003-10-17 |
10177 | 2003-11-07 |
10126 | 2003-05-28 |
10184 | 2003-11-14 |
  Enaco Distributors
                                          Spain
                                                                                              Shipped
  Enaco Distributors
                                          Spain
                                                                                              Shipped
  Heintze Collectables
                                          Denmark |
                                                                                              Shipped
  CAF Imports
                                                                                              Shipped
                                          Spain
  Corrida Auto Replicas, Ltd | Spain
Iberia Gift Imports, Corp. | Spain
                                                                                              Shipped
                                                                                              Shipped
15 rows in set (0,001 sec)
```

- Perusahaan berencana untuk memberikan bonus limit kredit sebesar 13000 kepada para pelanggan istimewa. Terdapat dua kondisi untuk menjadikan seorang pelanggan berstatus istimewa, yaitu:
  - Nama belakang kontak pelanggan sama dengan nama belakang pegawai yang melayaninya, atau
  - Kode pos pelanggan sama dengan kode pos kantor tempat bekerja pegawai yang melayaninya

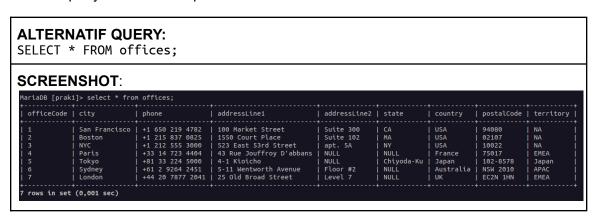
Buatlah *query* untuk menampilkan nama pelanggan istimewa dan limit kreditnya setelah penambahan bonus sebagai kolom *newCreditLimit*!

### **ALTERNATIF QUERY:**

```
SELECT customerName, creditLimit + 13000 as newCreditLimit FROM customers as c, employees as e, offices as o WHERE c.salesRepEmployeeNumber = e.employeeNumber and e.officeCode = o.officeCode and (c.contactLastName = e.lastName or c.postalCode = o.postalCode);
```

# III. Soal Susulan Praktikum

Buatlah guery untuk menampilkan seluruh isi dari tabel offices!



2. Buatlah query untuk menampilkan nama kota, state, dan negara dari tabel customer dengan state yang tidak null, tapi bukan berasal dari negara USA!

# ALTERNATIF QUERY: select city, state, country from customers where state is not null and country != 'USA'; SCREENSHOT:

```
MariaDB [prak1]> select city, state, country from customers where state is not null and country != 'USA';
                 state
                                 | country
 Melbourne
                  Victoria
                                  Australia
 Kita-ku
                                  Japan
                                  Canada
                  Qu??bec
                                  Canada
                  Isle of Wight |
 Cowes
  Tsawassen
                                  Canada
 North Sydney
 Chatswood
                                  Australia
                  Queensland
 South Brisbane
 Cork
Hatfield
                  Co. Cork
                                   Ireland
                                   South Africa
                  Pretoria
 Minato-ku
                  Tokyo
                                   Japan
                  Victoria
 Glen Waverly
13 rows in set (0,001 sec)
 ariaDB [prak1]>
```

3. Buatlah query untuk menampilkan kode produk, nama produk, kuantitas tersedia, dan harga beli dari produk dengan nama yang mengandung kata 'Ford', 'Ferrari', 'Pont', atau 'Bus'. Urutkan membesar berdasarkan harga beli, lalu mengecil berdasarkan kuantitas tersedia.

```
ALTERNATIF QUERY:
```

```
SELECT productCode, productName, quantityInStock, buyPrice
FROM products
WHERE productName like '%Ford%'
OR productName like '%Ferrari%'
OR productName like '%Pont%'
OR productName like '%Bus%'
ORDER BY buyPrice ASC, quantityInStock DESC;
```

```
MariaDB [prak1] > SELECT productCode, productName, quantityInStock, buyPrice
   -> FROM products
   -> WHERE productName like '%Ford%'
   -> OR productName like '%Ferrari%'
-> OR productName like '%Pont%'
-> OR productName like '%Bus%'
   -> ORDER BY buyPrice ASC, quantityInStock DESC;
| productCode | productName
                                           | quantityInStock | buyPrice |
2018
                                                               24.92
                                                      136
                                                               33.02
| 1911 Ford Town Car
S18_2248
                                                      540 I
                                                               33.30
                                                      414
                                                               33.30
                                                      3209
                                                               34.21
                                                      5649
                                                               34.35
                                                      9173
                                                               46.91
                                                      6621
                                                               48.64
                                                      2613
                                                               58.33
                                                      9354
                                                               58.48
                                                      4189
                                                               60.78
                                                      2327
                                                               61.34
                                                      3913
                                                               68.30
                                                      9127 |
                                                               73.49
                                                      8258
                                                               74.86
                                                      8347
                                                               77.90
                                                      1579
                                                               77.90
                                                               83.05
                                                      1049 I
                                                      3128
                                                               84.76
                                                               95.34
                                                       68
                                                      3619
                                                               95.59 |
21 rows in set (0,001 sec)
```

4. Buatlah query untuk menampilkan nama customer serta nama kontak dari tabel customers dengan nama customer berakhiran 'Co.' dan nama depan kontak terdiri dari 4 huruf! nama kontak adalah nama lengkap, yaitu nama depan dan belakang disatukan sebagai kolom contactName. (clue: gunakan CONCAT() untuk menyatukan string)

```
ALTERNATIF QUERY:

SELECT customerName, CONCAT(contactFirstName, ' ', contactLastName) as contactName
FROM customers
WHERE customerName like '%Co.' and contactFirstName like '____';

SCREENSHOT:
```

 Buatlah query untuk menampilkan kode kantor dan nomor telepon yang berbeda dari kantor tempat bekerja pegawai yang pernah melayani pelanggan dengan limit kredit antara 100000 dan 150000 dan memiliki data negara tidak kosong.

```
ALTERNATIF QUERY:
SELECT DISTINCT o.officeCode, o.phone
FROM offices as o, employees as e, customers as c
WHERE o.officeCode = e.officeCode
AND e.employeeNumber = c.salesRepEmployeeNumber
AND c.creditLimit BETWEEN 100000 AND 150000
AND c.state IS NOT NULL;
SCREENSHOT:
MariaDB [prak1]> SELECT DISTINCT o.officeCode, o.phone
    -> FROM offices as o, employees as e, customers as c
    -> WHERE o.officeCode = e.officeCode
    -> AND e.employeeNumber = c.salesRepEmployeeNumber
    -> AND c.creditLimit BETWEEN 100000 AND 150000
    -> AND c.state IS NOT NULL;
| officeCode | phone
+-----
    | +1 650 219 4782 |
| +1 215 837 0825 |
           +1 212 555 3000
           +61 2 9264 2451
4 rows in set (0,001 sec)
```

6. Buatlah *query* untuk menampilkan 15 nomor customer beserta nomor cek dan jumlah pembayarannya dari customer yang memiliki jumlah pembayaran yang lebih tinggi daripada satu atau beberapa customer lainnya. Hasil ditampilkan terurut membesar berdasarkan jumlah pembayaran.

(clue: gunakan LIMIT untuk membatasi banyak data yang ditampilkan)

```
ALTERNATIF QUERY:

SELECT DISTINCT p.customerNumber, p.checkNumber, p.amount
FROM payments as p, payments as r
WHERE p.amount > r.amount
ORDER BY amount LIMIT 15;
```

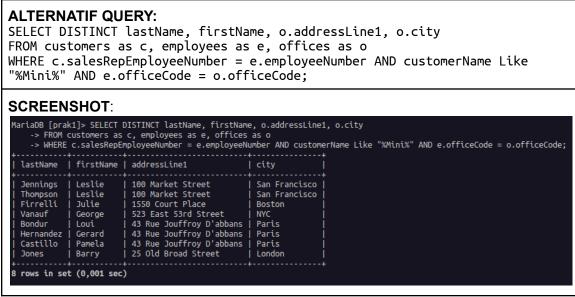
7. Buatlah query untuk menampilkan nama pelanggan yang orderannya dalam status "On Hold", lengkap dengan komentar dan tanggal ordernya serta nama produk yang dipesan.

#### **ALTERNATIF QUERY:**

SELECT customerName, orderdate, status, comments, productName
FROM customers as c, orderdetails as od, products as p, orders as o
WHERE c.customerNumber = o.customerNumber AND o.status = "On Hold" AND
o.orderNumber = od.orderNumber AND od.productCode = p.productCode;

Note : Karena dalam soal tidak secara eksplisit disebutkan harus tampilkan kolom status, jadi bebas mau ditampilkan/tidak

 Buatlah query untuk menampilkan nama lengkap pegawai beserta dengan nama kota dan alamat kantor (addressLine1) dari pegawai yang pernah melayani pelanggan yang mengandung nama "Mini." Tampilkan data secara unik (tidak ada nama pegawai yang berulang)



9. Buatlah query untuk menampilkan nama pelanggan dari kota London yang pernah memesan produk dengan nama "Pont Yacht" pada tahun 2004 atau pernah memesan produk dengan productLine nama "Vintage Cars" pada tahun 2003.

```
ALTERNATIF QUERY:
(SELECT DISTINCT customerName
FROM
       customers as c,
       orders as o,
       orderdetails as od,
       products as p
WHERE
       p.productName = "Pont Yacht"
       AND c.city = "London"
       AND YEAR(o.orderDate) = 2004
UNION
(SELECT DISTINCT customerName
FROM
       customers as c,
       orders as o,
       orderdetails as od,
       products as p
WHERE
       p.productLine = "Vintage Cars"
AND c.city = "London"
AND YEAR(o.orderDate) = 2003
);
```

```
MariaDB [prak1]> (SELECT DISTINCT customerName
    -> FROM
    -> customers as c,
    -> orders as o,
   -> orderdetails as od,
   -> products as p
   -> WHERE
    -> p.productName = "Pont Yacht"
    -> AND c.city = "London"
    -> AND YEAR(o.orderDate) = 2004
    -> UNION
   -> (SELECT DISTINCT customerName
   -> FROM
   -> customers as c,
   -> orders as o,
   -> orderdetails as od,
    -> products as p
    -> WHERE
    -> p.productLine = "Vintage Cars"
   -> AND c.city = "London"
   -> AND YEAR(o.orderDate) = 2003
   -> );
| customerName |
| Stylish Desk Decors, Co. |
| Double Decker Gift Stores, Ltd |
2 rows in set (13,361 sec)
```