PANCAR WAHYU SETIABI

H1D024018

SHIFT D

- 1. Berdasarkan tabel yang telah dibuat pada praktikum sebelumnya untuk skema orderentry tampilkan data data berikut ini:
 - a. Tampilkan data customers berdasarkan nama customer secara urut dari a sampai z (dari terkecil hingga terbesar)

Before:

| 2410141 | | | | | | | | |
|--|---------------------|---------------|--|----------------------|---------------------------------|--------------------------|---|---|
| MariaDB [orderentry]> select*from customers; | | | | | | | | |
| cust_id cus | t_name | cust_address | cust_city | cust_state | cust_zip | cust_country | cust_contract | cust_email |
| 10003 Was | cals emite Place | 1 Sunny Place | Columbus Muncie Phoenix Chicago | OH IN AZ IL | 4333 42222 88888 54545 | USA USA USA USA | Jerry Mouse Jim Jones Y Sam E Fudd | NULL rabbit@wascally.com sam@yosemite.com NULL |
| 4 rows in set (0.001 sec) | | | | | | | | |

After:

| MariaDB [orderentry]> select*from customers order by cust_name asc; | | | | | | | | | |
|---|----------------------------------|--|--|--------------------|----------------------|---------------------------------|--------------------------|---|---|
| | cust_id | cust_name | cust_address | cust_city | cust_state | cust_zip | cust_country | cust_contract | cust_email |
| | 10005 10002 10003 10004 | E Fudd Mouse House Wascals Yosemite Place | 4545 53rd Street 333 Fromage Lane 1 Sunny Place 829 Riverside Drive | Columbus Muncie | IL OH IN AZ | 54545 4333 42222 88888 | USA USA USA USA | E Fudd Jerry Mouse Jim Jones Y Sam | NULL NULL rabbit@wascally.com sam@yosemite.com |
| 4 rows in set (0.000 sec) | | | | | | | | | |

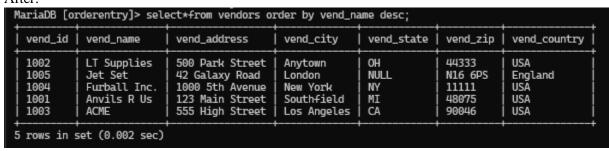
| MariaDB [orderentry]> select*from customers order by cust_name asc; |
|--|
| + |
| cust_id cust_name |
| +++++++ |
| 10005 E Fudd |
| 10002 Mouse House 333 Fromage Lane Columbus OH 4333 USA Jerry Mouse NULL |
| 10003 Wascals 1 Sunny Place Muncie IN 42222 USA Jim Jones rabbit@wascally.com |
| 10004 Yosemite Place 829 Riverside Drive Phoenix AZ 88888 USA Y Sam sam@yosemite.com |
| ++++++ |
| 4 rows in set (0.000 sec) |

b. Tampilkan data vendor berdasarkan nama vendor dari yang terbesar ke yang terkecil, ada berapa vemdor di table vendor

Before:

| MariaDB [o | rderentry]> sel | ect*from vendors; | | | | | | |
|--------------------------------------|---|--|-----------|------------------------------|---|-------------------------------------|--|--|
| vend_id | vend_name | vend_address | vend_city | vend_state | vend_zip | vend_country | | |
| 1001 1002 1003 1004 1005 | Anvils R Us LT Supplies ACME Furball Inc. Jet Set | 123 Main Street 500 Park Street 555 High Street 1000 5th Avenue 42 Galaxy Road | Anytown | MI OH CA NY NULL | 48075 44333 90046 11111 N16 6PS | USA USA USA USA England | | |
| 5 rows in set (0.001 sec) | | | | | | | | |

After:



```
MariaDB [orderentry]> select*from vendors order by vend name desc;
| vend_id | vend_name | vend_address | vend_city | vend_state | vend_zip | vend_country
| 1002 | LT Supplies | 500 Park Street | Anytown | OH
                                      | 44333 | USA
           | 42 Galaxy Road | London
| 1005 | Jet Set
                               NULL
                                       | N16 6PS | England
| 1004 | Furball Inc. | 1000 5th Avenue | New York | NY
                                       | 11111 | USA
                                     | 48075 | USA
| 1001 | Anvils R Us | 123 Main Street | Southfield | MI
            | 555 High Street | Los Angeles | CA
                                      | 90046 | USA
| 1003 | ACME
5 rows in set (0.002 sec)
```

```
MariaDB [orderentry]> select count(vend_name) from vendors;
| count(vend_name) |
| 5 |
| row in set (0.000 sec)
```

+----+ 1 row in set (0.000 sec)

c. Tampilkan data orderitems berdasarkan quantity dari yang terbesar ke yang terkecil Before:

| MariaDB [orde | erentry]> sele | ect*from o | rderitems; | |
|-------------------------------|----------------|------------|------------|--|
| order_num | order_item | prod_id | quantity | |
| 20005 | 1 | ANV01 | 10 | |
| 20006 | 1 | JP2000 | 1 | |
| 20007 | 1 | TNT2 | 1 | |
| 20008 | 1 | FC | 50 | |
| 20009 | 1 | FB | 1 | |
| 20005 | 2 | ANV02 | 3 | |
| 20009 | 2 | OL1 | 1 | |
| 20005 | 3 | TNT2 | 5 | |
| 20009 | 3 | Sling | 1 | |
| 20005 | 4 | FB | 1 | |
| 20009 | 4 | ANV01 | 1 | |
| ++ 11 rows in set (0.001 sec) | | | | |

After:

```
MariaDB [orderentry]> select*from orderitems order by quantity desc;
  order_num |
               order_item | prod_id | quantity
      20008
20005
                              FC
                                               50
10
5
1
1
1
1
                              ANV01
      20005
                              TNT2
      20005
                              ANV02
                              FΒ
                              TNT2
                              0L1
                              JP2000
                              Sling
                              FΒ
      20005
      20009
                              ANV01
11 rows in set (0.000 sec)
```

MariaDB [orderentry]> select*from orderitems order by quantity desc;

```
+----+
| order_num | order_item | prod_id | quantity |
+----+
  20008 |
             1 | FC
                        50 |
  20005 |
             1 | ANV01 |
                          10 |
  20005 |
             3 | TNT2 |
  20005
            2 | ANV02 |
                          3 |
  20009 |
             1 | FB
                        1 |
  20007 |
             1 | TNT2 |
                         1 |
  20009 |
            2 | OL1 |
                         1 |
  20006
            1 | JP2000 |
                        1 |
  20009 |
             3 | Sling |
                        1 |
  20005
            4 | FB
  20009 |
            4 | ANV01 | 1 |
```

d. Tampilkan fungsi agregasi banyaknya, total, rata-rata, jumlah minimal, jumlah maksimal dari quantity penjualan. Data berasal dari table orderitems

```
MariaDB [orderentry]> select count(quantity), sum(quantity), avg(quantity), min(quantity), max(quantity) from orderitems;

| count(quantity) | sum(quantity) | avg(quantity) | min(quantity) | max(quantity) |

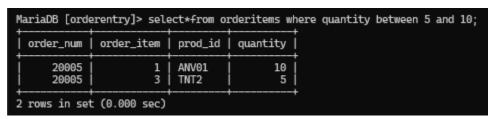
| 11 | 75 | 6.8182 | 1 | 50 |

1 row in set (0.001 sec)
```

MariaDB [orderentry]> select count(quantity), sum(quantity), avg(quantity), min(quantity), max(quantity) from orderitems;

```
+-----+
| count(quantity) | sum(quantity) | avg(quantity) | min(quantity) | max(quantity) |
+-----+
| 11 | 75 | 6.8182 | 1 | 50 |
+-----+
1 row in set (0.001 sec)
```

e. Tampilkan data orderitems dimana quantitynya antara 5-10



MariaDB [orderentry]> select*from orderitems where quantity between 5 and 10;

```
+-----+
| order_num | order_item | prod_id | quantity |
+-----+
| 20005 | 1 | ANV01 | 10 |
| 20005 | 3 | TNT2 | 5 |
+-----+
2 rows in set (0.000 sec)
```

f. Tampilkan data vendor id yang countrynya USA Before:

| MariaDB [orderentry]> select*from vendors; | | | | | | | | |
|--|---|--------------|-----------|------------------------------|---|-------------------------------------|--|--|
| vend_id | vend_name | vend_address | vend_city | vend_state | vend_zip | vend_country | | |
| 1001 1002 1003 1004 1005 | Anvils R Us LT Supplies ACME Furball Inc. Jet Set | | Anytown | MI OH CA NY NULL | 48075 44333 90046 11111 N16 6PS | USA USA USA USA England | | |
| 5 rows in set (0.000 sec) | | | | | | | | |

After:

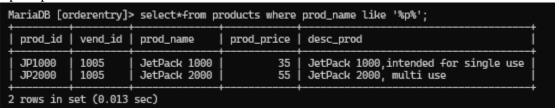
| | | ect vend_id, vend_: | · | ress, vend_cit vend_state | · | end_zip | from | vendors | where | vend_co | untry | in (' | USA' |
|------------------------------------|---------------------|--|------------------------|------------------------------------|--|---------|------|---------|-------|---------|-------|-------|------|
| 1001 1002 1003 1004 | LT Supplies ACME | 123 Main Street 500 Park Street 555 High Street 1000 5th Avenue | Anytown Los Angeles | MI OH CA NY | 48075 44333 90046 11111 | | | | | | | | |

MariaDB [orderentry]> select vend_id, vend_name, vend_address, vend_city, vend_state, vend_zip from vendors where vend_country in ('USA');

```
+-----+
| vend_id | vend_name | vend_address | vend_city | vend_state | vend_zip |
| +-----+
| 1001 | Anvils R Us | 123 Main Street | Southfield | MI | 48075 |
| 1002 | LT Supplies | 500 Park Street | Anytown | OH | 44333 |
| 1003 | ACME | 555 High Street | Los Angeles | CA | 90046 |
| 1004 | Furball Inc. | 1000 5th Avenue | New York | NY | 11111 |
| +------+
| 4 rows in set (0.001 sec)
```

g. Tampilkan nama produk dan nama vndor pada product dan vendors yang mengandung huruf p

P pada products:



MariaDB [orderentry]> select*from products where prod_name like '%p%';

```
+-----+
| prod_id | vend_id | prod_name | prod_price | desc_prod |
| +-----+
| JP1000 | 1005 | JetPack 1000 | 35 | JetPack 1000, intended for single use |
| JP2000 | 1005 | JetPack 2000 | 55 | JetPack 2000, multi use |
| +-----+
| 2 rows in set (0.013 sec)
```

P pada vendors:

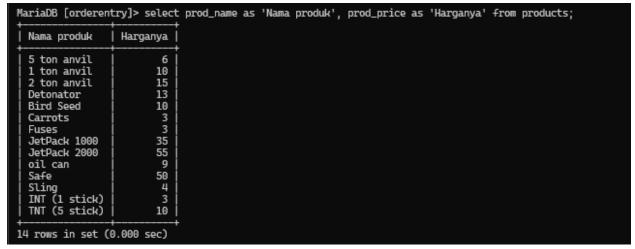
| • | Pada (cha | 010. | | | | | |
|---|-------------|----------------|-----------------|-----------|------------|----------|--------------|
| MariaDB [orderentry]> select*from vendors where vend_name like '%p%'; | | | | | | | |
| | vend_id | vend_name | vend_address | vend_city | vend_state | vend_zip | vend_country |
| | 1002 | LT Supplies | 500 Park Street | Anytown | ОН | 44333 | USA |
| ì | l row in se | et (0.000 sec) | | | | | |

MariaDB [orderentry]> select*from vendors where vend_name like '%p%';

| vend_id | vend_name | vend_address | vend_city | vend_state | vend_zip | vend_country |

```
| 1002 | LT Supplies | 500 Park Street | Anytown | OH | 44333 | USA | +------+ | 1 row in set (0.000 sec)
```

h. Tampilkan prod_name sebagai nama produk dan prod_price sebagai Harganya dari table product



MariaDB [orderentry]> select prod_name as 'Nama produk', prod_price as 'Harganya' from products;

| ++ |
|----------------------------|
| Nama produk Harganya |
| ++ |
| 5 ton anvil 6 |
| 1 ton anvil 10 |
| 2 ton anvil 15 |
| Detonator 13 |
| Bird Seed 10 |
| Carrots 3 |
| Fuses 3 |
| JetPack 1000 35 |
| JetPack 2000 55 |
| oil can 9 |
| Safe 50 |
| Sling 4 |
| INT (1 stick) 3 |
| TNT (5 stick) 10 |
| ++ |
| 14 rows in set (0.000 sec) |

- 2. Operasikan perintah SQ untuk menampilkan:
 - a. Tanggal sekarang menjadi tanggal hari ini

MariaDB [orderentry]> select current_date as 'Tanggal hari ini';

```
+-----+
| Tanggal hari ini |
+-----+
| 2024-10-04 |
+-----+
1 row in set (0.000 sec)
```

b. Jam sekarang

MariaDB [orderentry]> select current_time as 'Jam sekarang';

```
+-----+

| Jam sekarang |

+-----+

| 09:49:33 |

+-----+

1 row in set (0.000 sec)
```

c. Jam sekarang – jam awal masuk praktikum

MariaDB [orderentry]> select current_time as 'Jam sekarang', '07.00.00' as 'jam mulai praktikum';

```
+-----+
| Jam sekarang | jam mulai praktikum |
```

```
+-----+
| 10:22:20 | 07.00.00 |
+-----+
1 row in set (0.000 sec)
```

d. Tahun sekarang – tahun lahir anda

```
MariaDB [orderentry]> select year(current_time) as 'Tahun sekarang', 2005 as 'tahun lahir'; +-----+
| Tahun sekarang | tahun lahir | +-----+
| 2024 | 2005 | +-----+
1 row in set (0.001 sec)
```