

PRAKTIKUM BASIS DATA BERSAMA DOSEN PRAKTISI

“SQL Join”



Disusun oleh :
DIAH MUNICA NAWANG
V3922015 / TI D

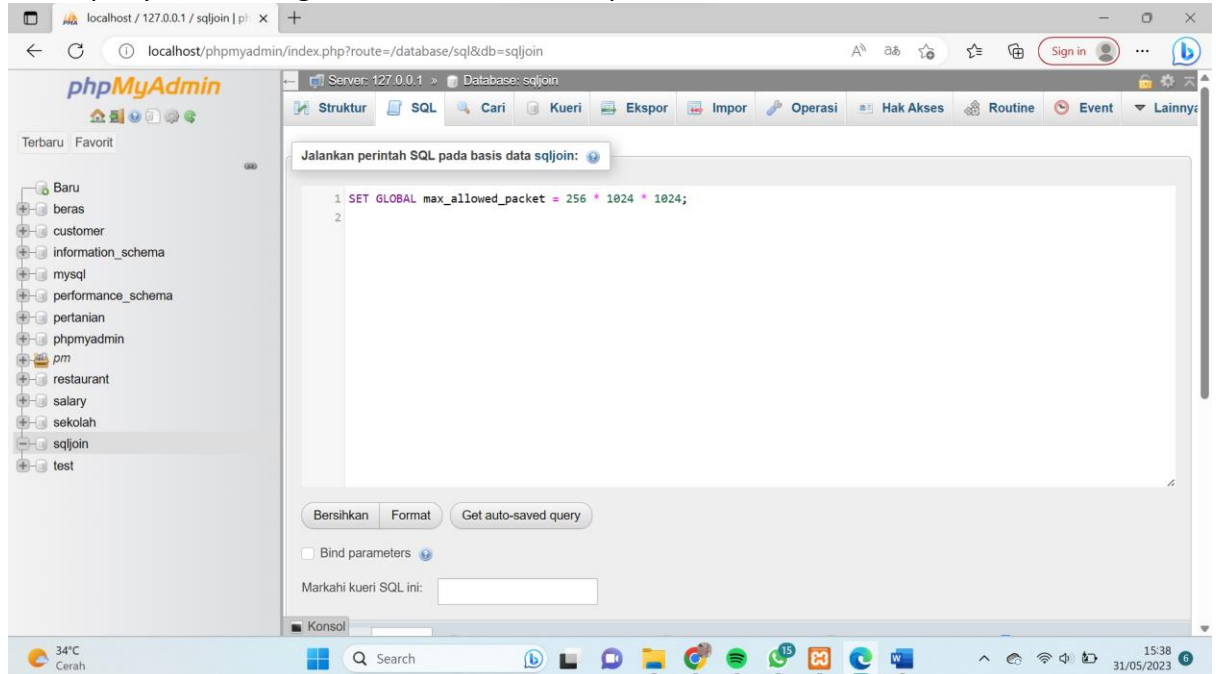
Dosen
Rakhmadina Noviyanti

**PS D-III TEKNIK INFORMATIKA
SEKOLAH VOKASI
UNIVERSITAS SEBELAS MARET
2023**

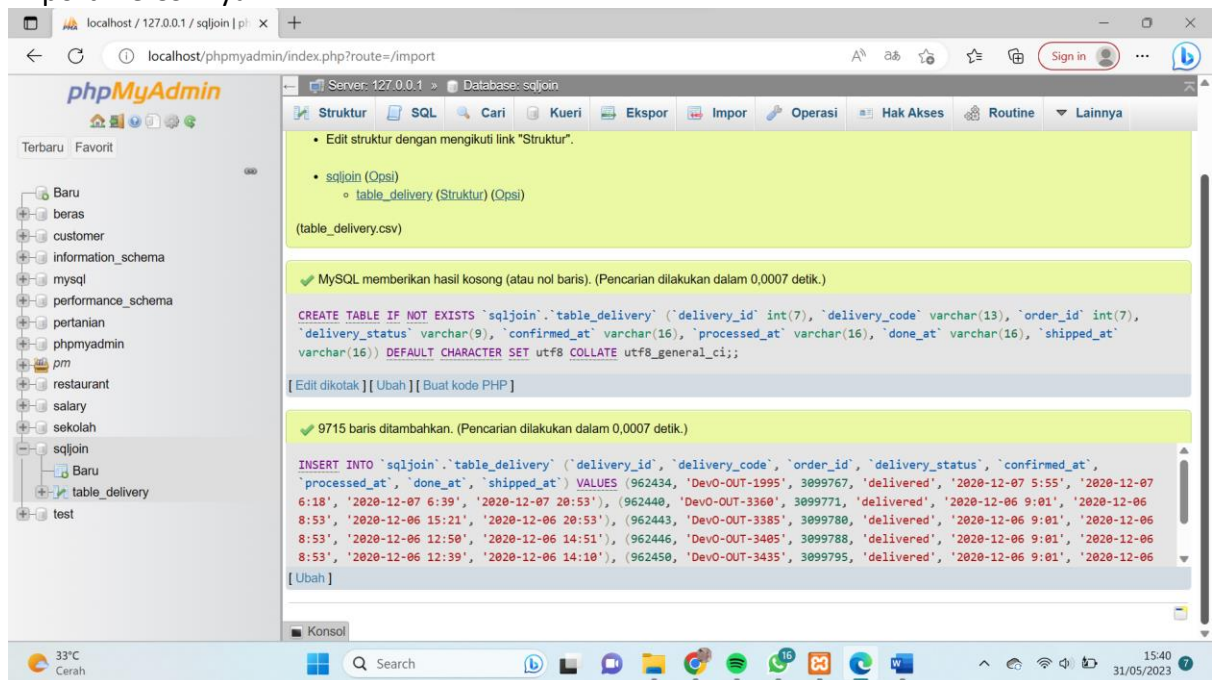
TUGAS SQL JOIN

Sebelum Mengerjakan Soal Kita Harus mebuat database dan mengimport file CSV nya terlebih dahulu

- Created Database dahulu, kemudian
- Ketik query dibawah agar file csv berhasil diimport



- Import file CSVnya :



The first screenshot shows the phpMyAdmin interface with the 'sqljoin' database selected. The 'table_order' table is highlighted in the left sidebar. The main panel shows the 'Import' tab with the 'table_order.csv' file selected. The SQL query for the import is displayed, and the result shows that 10489 rows were successfully imported.

The second screenshot shows the phpMyAdmin interface with the 'sqljoin' database selected. The 'table_status' table is highlighted in the left sidebar. The main panel shows the 'Import' tab with the 'table_status.csv' file selected. The SQL query for the import is displayed, and the result shows that 5 rows were successfully imported.

➤ Jika file CSV berhasil diimport saatnya kita mengerjakan soal dibawah :

SOAL DAN JAWABAN

1. Hitunglah total pesanan harian dan GMV (termasuk pajak) dari marketplace LBP dan LZA (ditunjukkan dengan tiga digit pertama dalam order number). Keluaran yang diinginkan harus seperti tabel di bawah ini, di mana tanggal pemesanan dapat diwakili dengan *order date* atau *write date* (yang terakhir jika yang pertama adalah null). Ambilah hanya yang statusnya (*status name*) completed dan cancel.

| order_date | marketplace | order_status | total_order | total_gmv |
|------------|-------------|--------------|-------------|----------------|
| 2020-11-03 | LBP | cancel | 13 | 3,502,854.12 |
| 2020-11-03 | LBP | completed | 534 | 192,341,224.32 |
| 2020-11-04 | LZA | cancel | 45 | 15,153,212.96 |
| ... | ... | ... | ... | ... |

Jawab :

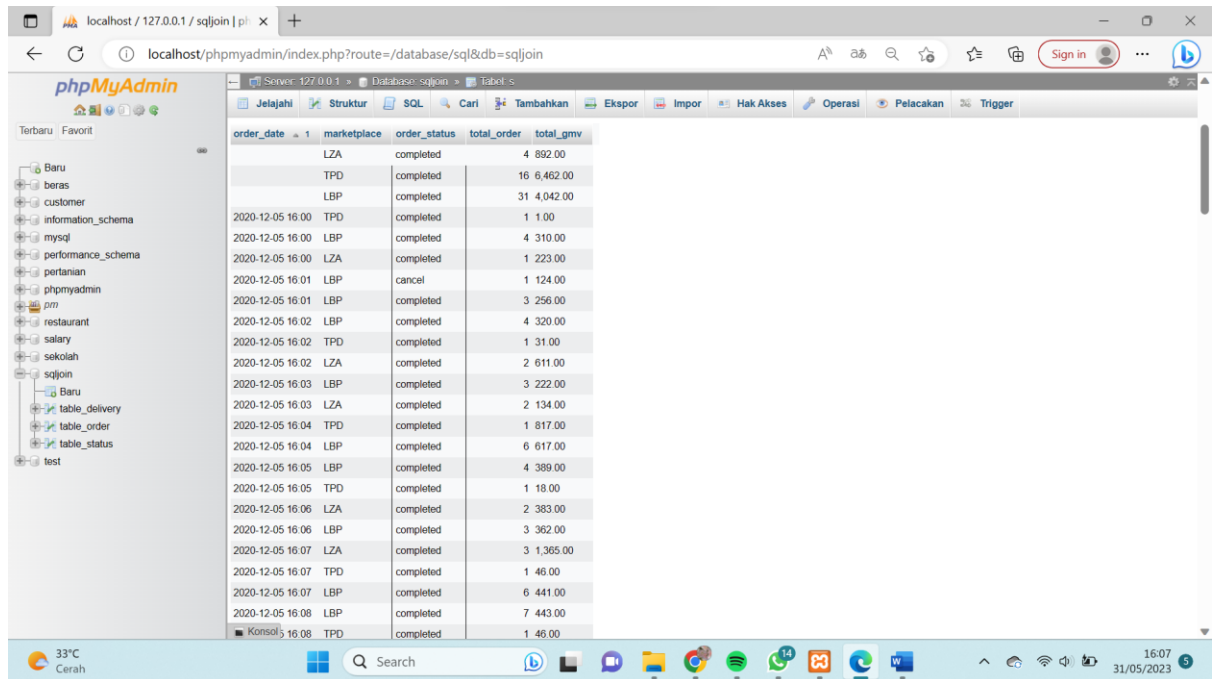
Query :

The screenshot shows the phpMyAdmin interface for a database named 'sqljoin'. The left sidebar displays a tree view of databases and tables, with 'sqljoin' selected. The main area shows a SQL query editor with the following query:

```
1 SELECT
2     IFNULL(o.order_date, o.write_date) AS order_date,
3     LEFT(o.order_number, 3) AS marketplace,
4     s.status_name AS order_status,
5     COUNT(*) AS total_order,
6     CONCAT(FORMAT(SUM(o.gmv_taxed),
7     2),
8     '') AS total_gmv
9 FROM
10    table_delivery d
11 JOIN table_order o ON
12    d.order_id = o.order_id
13 JOIN table_status s ON
14    o.status_id = s.status_id
15 WHERE
16    s.status_name IN('cancel', 'completed')
17 GROUP BY
18    order_date,
19    marketplace,
20    order_status
21 ORDER BY
22    order_date
23 LIMIT 0, 25;
```

The bottom status bar shows the system temperature as 33°C, the time as 16:05, and the date as 31/05/2023.

Hasil :



The screenshot shows the phpMyAdmin interface with a table named 'order' selected. The table has five columns: 'order_date', 'marketplace', 'order_status', 'total_order', and 'total_gmv'. The data is sorted by 'order_date' in descending order. The table contains 20 rows of data, showing various orders from different marketplaces (LZA, TPD, LBP) with statuses like 'completed' and 'cancel'.

| order_date | marketplace | order_status | total_order | total_gmv |
|------------------|-------------|--------------|-------------|-----------|
| | LZA | completed | 4 | 892.00 |
| | TPD | completed | 16 | 6,462.00 |
| | LBP | completed | 31 | 4,042.00 |
| 2020-12-05 16:00 | TPD | completed | 1 | 1.00 |
| 2020-12-05 16:00 | LBP | completed | 4 | 310.00 |
| 2020-12-05 16:00 | LZA | completed | 1 | 223.00 |
| 2020-12-05 16:01 | LBP | cancel | 1 | 124.00 |
| 2020-12-05 16:01 | LBP | completed | 3 | 256.00 |
| 2020-12-05 16:02 | LBP | completed | 4 | 320.00 |
| 2020-12-05 16:02 | TPD | completed | 1 | 31.00 |
| 2020-12-05 16:02 | LZA | completed | 2 | 611.00 |
| 2020-12-05 16:03 | LBP | completed | 3 | 222.00 |
| 2020-12-05 16:03 | LZA | completed | 2 | 134.00 |
| 2020-12-05 16:04 | TPD | completed | 1 | 817.00 |
| 2020-12-05 16:04 | LBP | completed | 6 | 617.00 |
| 2020-12-05 16:05 | LBP | completed | 4 | 389.00 |
| 2020-12-05 16:05 | TPD | completed | 1 | 18.00 |
| 2020-12-05 16:06 | LZA | completed | 2 | 383.00 |
| 2020-12-05 16:06 | LBP | completed | 3 | 362.00 |
| 2020-12-05 16:07 | LZA | completed | 3 | 1,365.00 |
| 2020-12-05 16:07 | TPD | completed | 1 | 46.00 |
| 2020-12-05 16:07 | LBP | completed | 6 | 441.00 |
| 2020-12-05 16:08 | LBP | completed | 7 | 443.00 |
| 2020-12-05 16:08 | TPD | completed | 1 | 46.00 |

2. Tim manajerial operasi gudang ingin memantau dan mengevaluasi kinerja pemenuhan pesanan. Mereka meminta tim data untuk menarik beberapa data yang menunjukkan berapa lama waktu yang dibutuhkan untuk memenuhi pesanan. Untuk tujuan ini, kami akan menggunakan *table order* dan *table delivery*. Output harus dalam format berikut:

| order_number | delivery_code | order_timestamp | order_to_confirm | process_to_done | order_to_done |
|--------------|---------------|-----------------|------------------|-----------------|---------------|
| ... | ... | ... | ... | ... | ... |

Persyaratannya adalah:

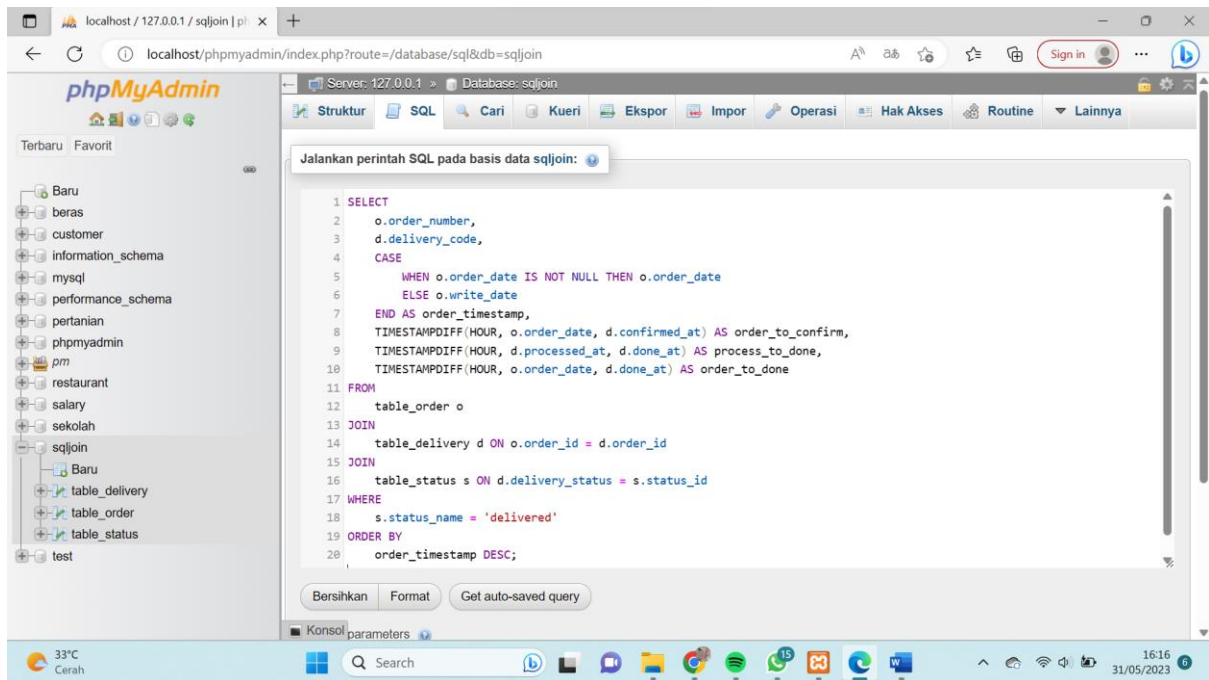
- Hanya pesanan yang status pengirimannya *delivered*.
- Urutan waktu pemesanan direpresentasikan oleh *order date* atau *write date*. Gunakan yang terakhir jika yang pertama adalah NULL.
- *order to confirm* adalah waktu yang telah berlalu antara *order timestamp* dan *confirmed at*.
- *process to done* adalah waktu yang berlalu antara *processed at* dan *done at*.
- *order to done* adalah waktu yang berlalu antara *order timestamp* dan *done at*.

Permintaan:

Tuliskan skrip SQL yang menghasilkan output tabel yang diperlukan di atas!

Jawab :

Query :



Hasil :

