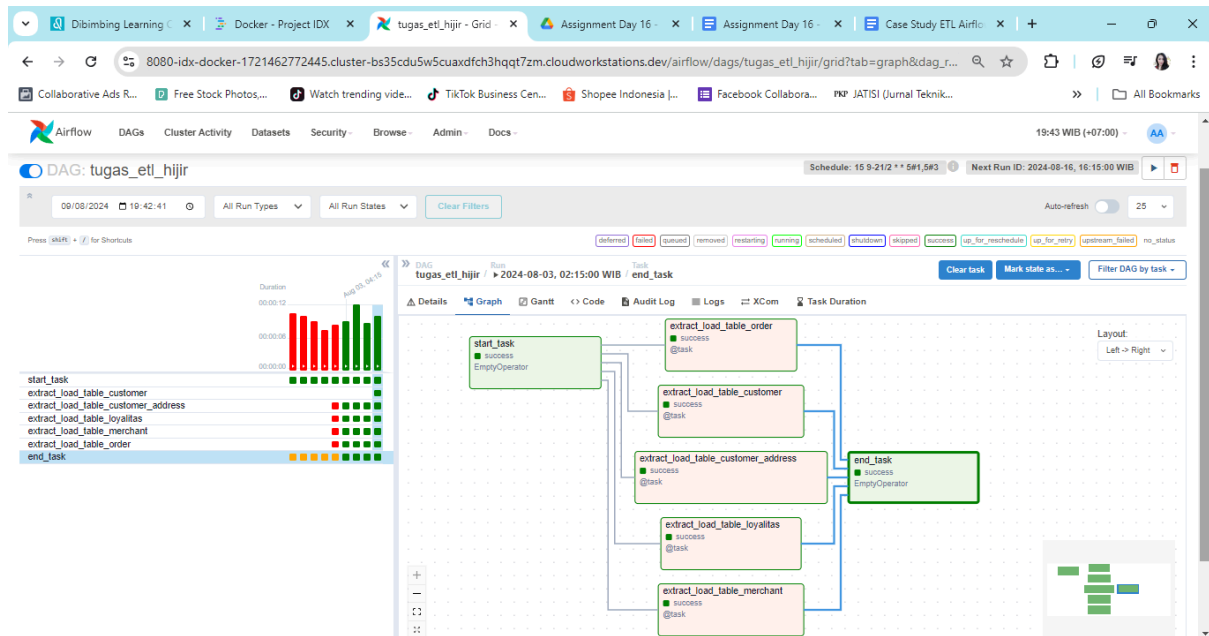


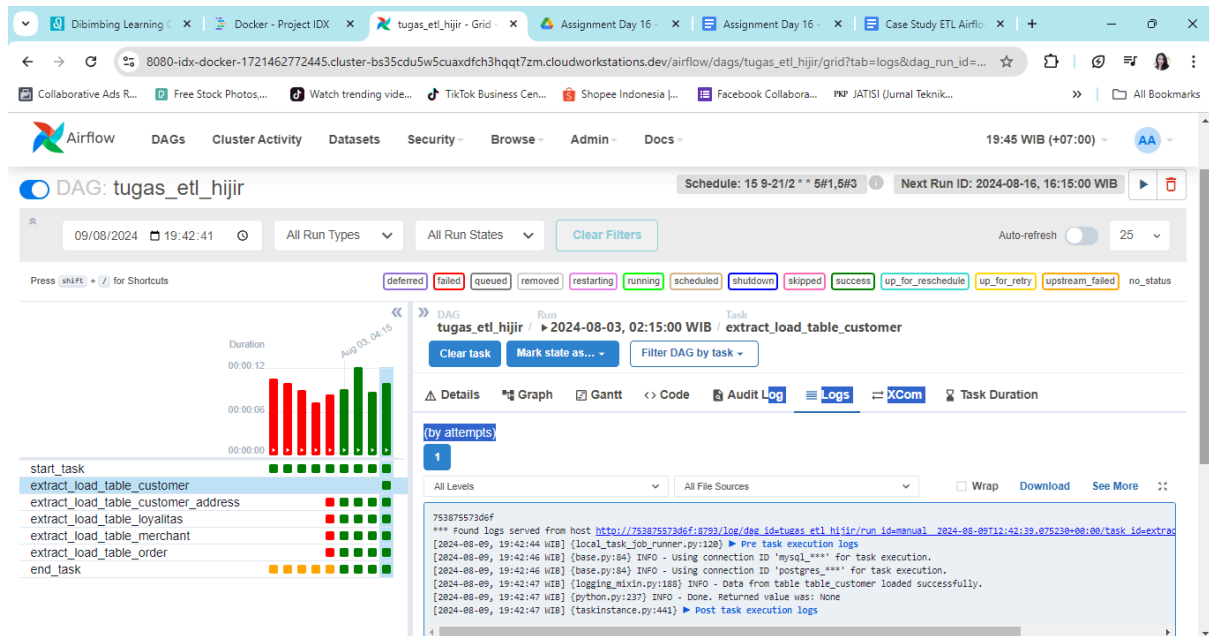
# Testing DAGS

## Hijir Della Wirasti

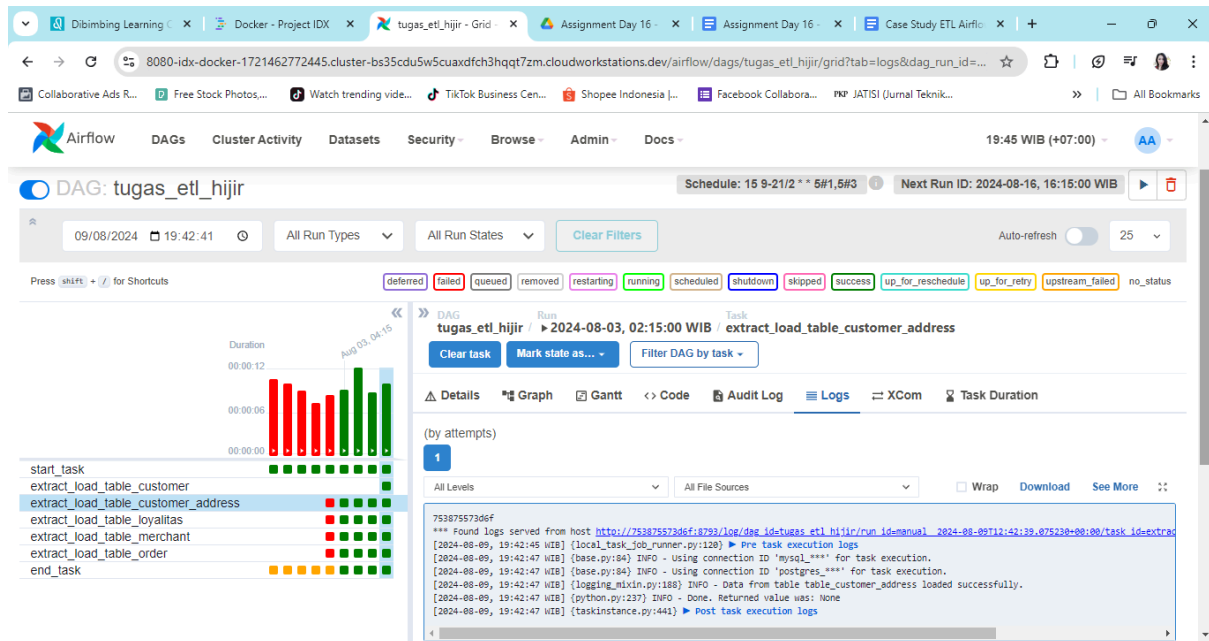
## Current Graph



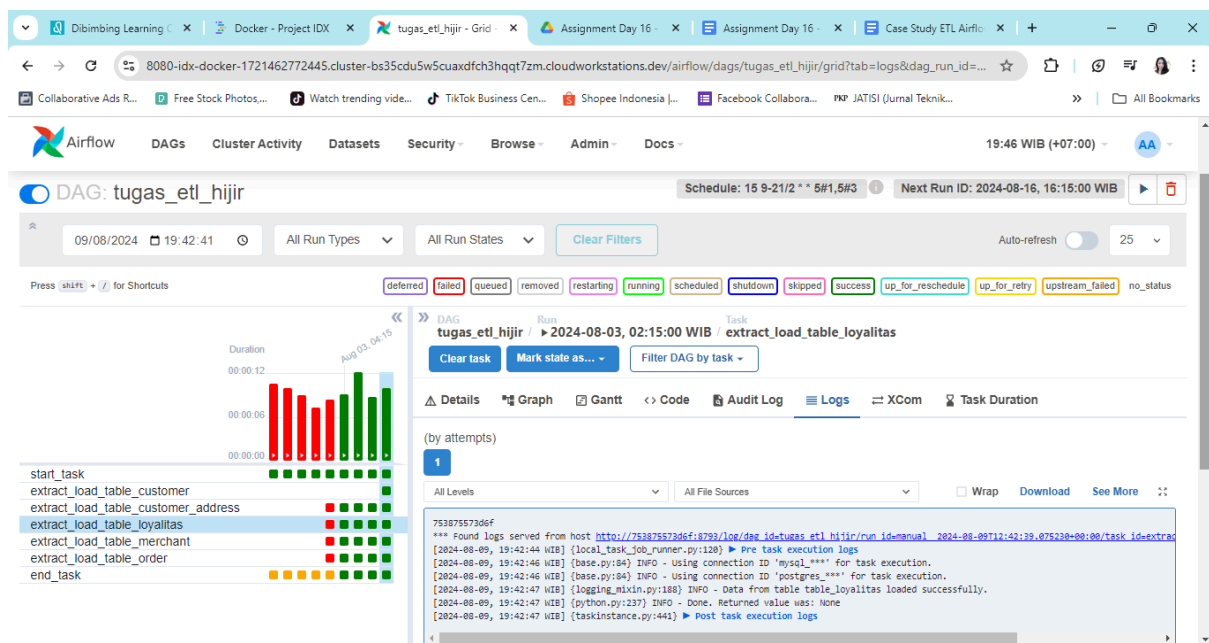
## Extract 1 - table\_customer



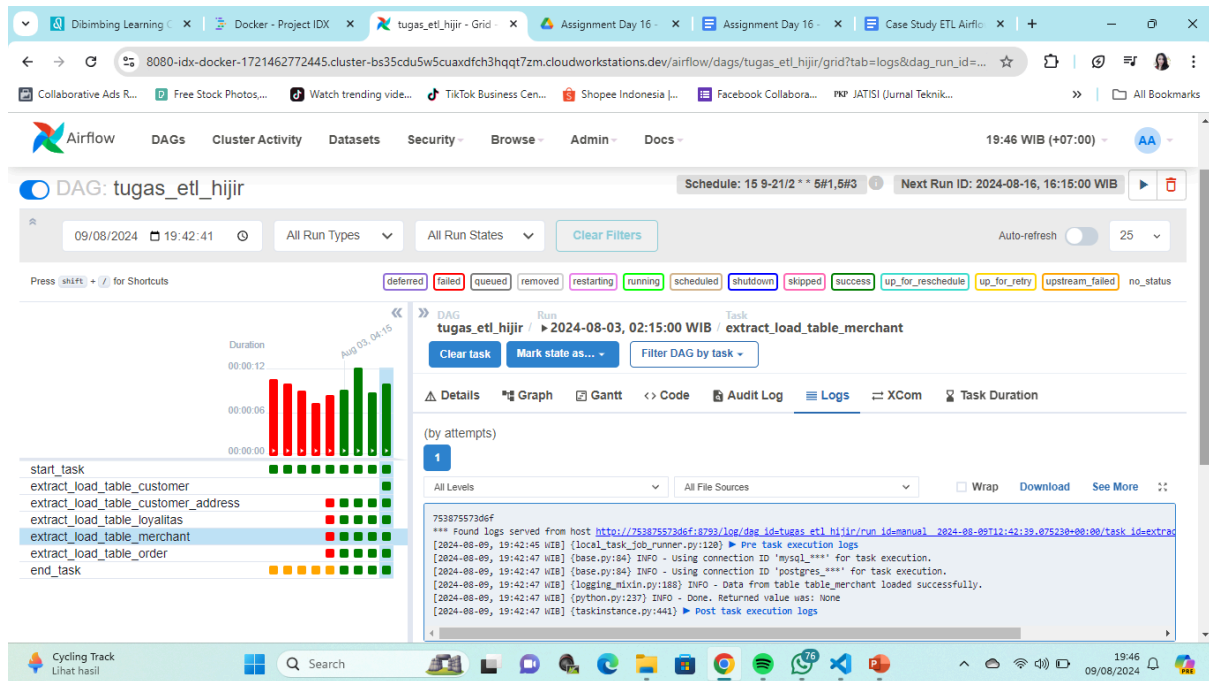
## Extract 2 - table\_customer\_address



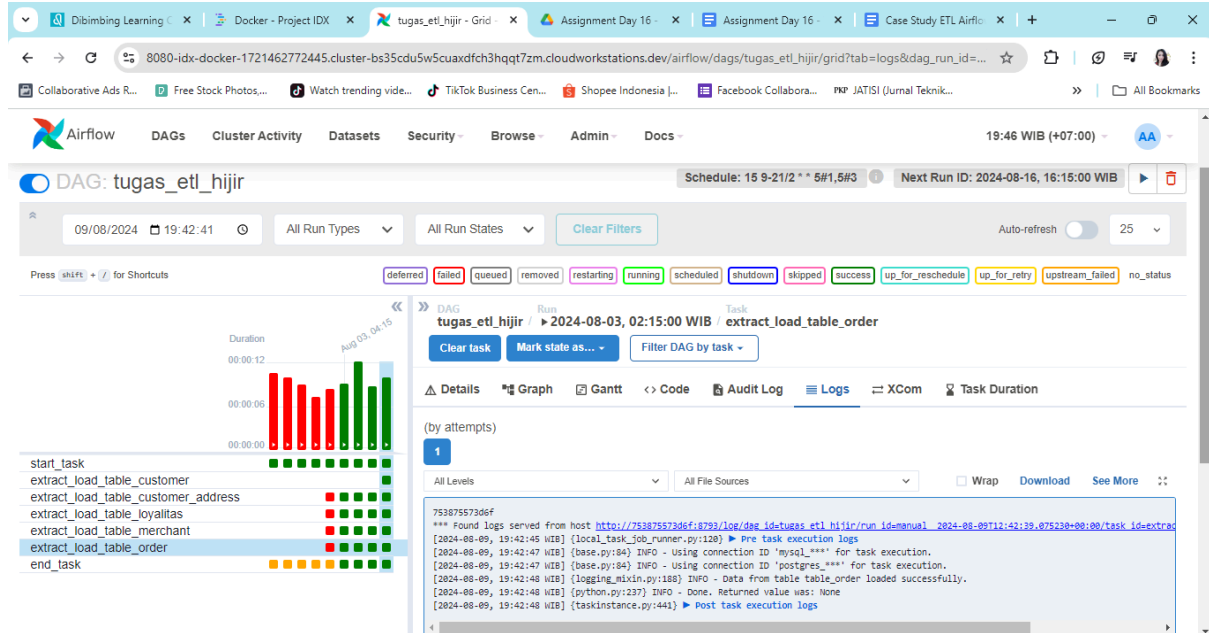
## Extract 3 - table\_loyalitas



## Extract 4 table\_merchant



## Extract 5 table\_order



## CONFIG FILE

tugas\_etl\_hijir.py

```
from airflow.decorators import dag, task
```

```

from airflow.operators.empty import EmptyOperator
from airflow.utils.dates import days_ago
from airflow.providers.mysql.hooks.mysql import MySqlHook
from airflow.providers.postgres.hooks.postgres import PostgresHook
import pandas as pd

# Daftar tabel yang akan diekstrak dari MySQL dan dimuat ke PostgreSQL
TABLES = ["table_customer", "table_customer_address",
"table_loyalitas", "table_merchant", "table_order"]

@dag(
    dag_id='tugas_etl_hijir',
    schedule_interval='15 9-21/2 * * 5#1,5#3',
    start_date=days_ago(1),
    catchup=False,
)
def tugas_etl_hijir():
    start_task = EmptyOperator(task_id="start_task")
    end_task = EmptyOperator(task_id="end_task")

    for table in TABLES:
        @task(task_id=f"extract_load_{table}")
        def extract_load(table):
            # Koneksi ke MySQL
            mysql_hook = MySqlHook(
                mysql_conn_id="mysql_dibimbing"
            ).get_sqlalchemy_engine()

            # Koneksi ke PostgreSQL
            postgres_hook = PostgresHook(
                postgres_conn_id="postgres_dibimbing"
            ).get_sqlalchemy_engine()

            with mysql_hook.connect() as mysql_conn,
            postgres_hook.connect() as postgres_conn:
                # Cek apakah tabel ada di MySQL
                try:
                    # Ekstrak data dari MySQL
                    df = pd.read_sql_table(table, mysql_conn)
                    # Muat data ke PostgreSQL
                    df.to_sql(table, postgres_conn,
if_exists="replace", index=False)

```

```

        print(f"Data from table {table} loaded
successfully.")
    except ValueError as e:
        print(f"Error: {e}. Table {table} not found in
MySQL.")

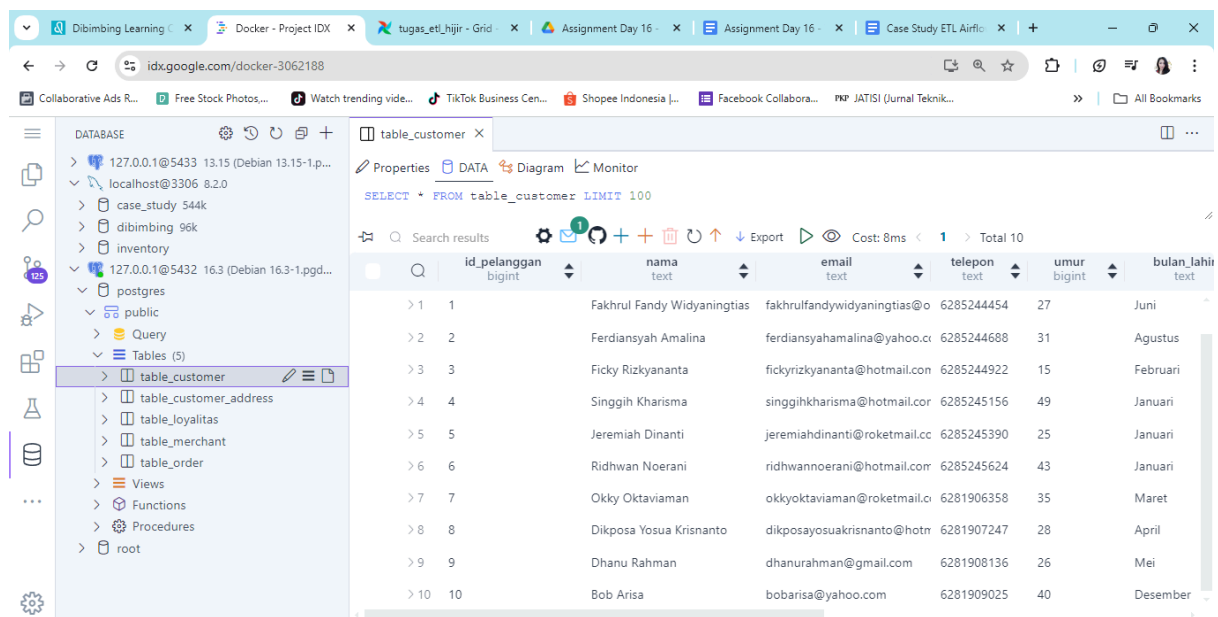
    # Hubungkan task mulai, proses ekstraksi dan pemuatan, serta
task selesai
    start_task >> extract_load(table) >> end_task

# Buat instance dari DAG
dag_instance = tugas_etl_hijir()

```

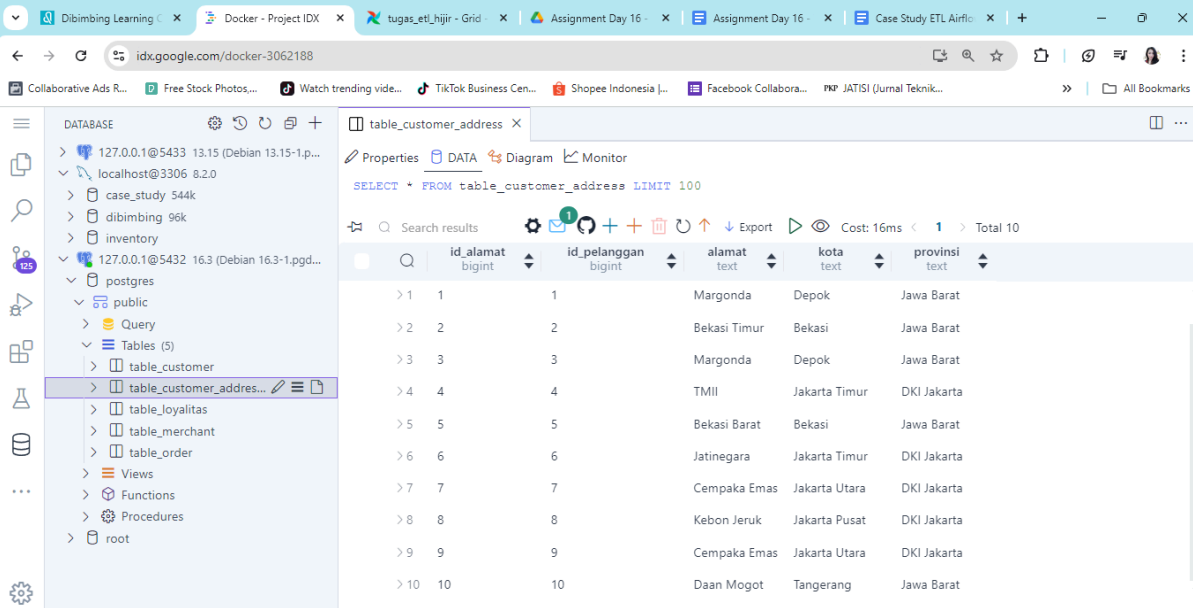
## Hasil 5 Tabel di Postgresql

### table\_customer



	id_pelanggan bigint	nama text	email text	telepon text	umur bigint	bulan_lahir text
> 1	1	Fakhrul Fandy Widyaningtias	fakhrlfandywidyaningtias@o	6285244454	27	Juni
> 2	2	Ferdiansyah Amalina	ferdiansyahamalina@yahoo.co	6285244688	31	Agustus
> 3	3	Ficky Rizkyananta	fickyrizkyananta@hotmail.con	6285244922	15	Februari
> 4	4	Singgih Kharisma	singgihkharisma@hotmail.cor	6285245156	49	Januari
> 5	5	Jeremiah Dinanti	jeremiahdinanti@rocketmail.cc	6285245390	25	Januari
> 6	6	Ridhwan Noerani	ridhwannoerani@hotmail.com	6285245624	43	Januari
> 7	7	Okky Oktavianan	okkyoktavianan@rocketmail.co	6281906358	35	Maret
> 8	8	Dikposa Yosua Krisnanto	dikposayosuakrisnanto@hotn	6281907247	28	April
> 9	9	Dhanu Rahman	dhanurahman@gmail.com	6281908136	26	Mei
> 10	10	Bob Arisa	bobarisa@yahoo.com	6281909025	40	Desember

# table\_customer\_address



Database: 127.0.0.1@5433 13.15 (Debian 13.15-1.p...)

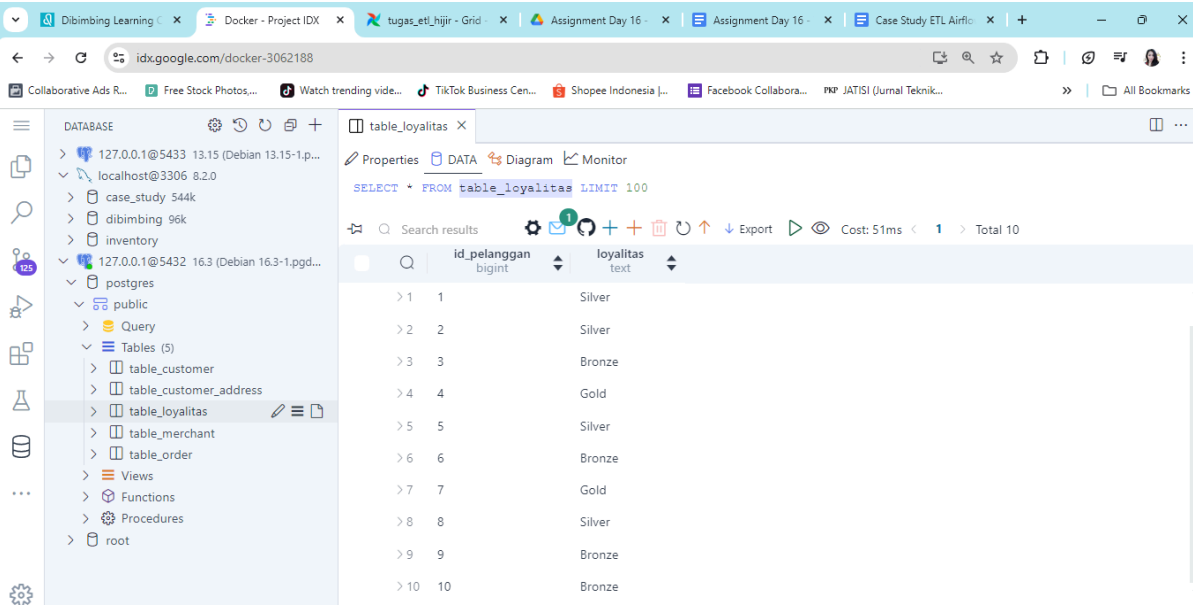
Table: table\_customer\_address

Query: `SELECT * FROM table_customer_address LIMIT 100`

Search results: Cost: 16ms < 1 > Total 10

	id_pelanggan bigint	id_alamat bigint	alamat text	kota text	provinsi text
> 1	1	1	Margonda	Depok	Jawa Barat
> 2	2	2	Bekasi Timur	Bekasi	Jawa Barat
> 3	3	3	Margonda	Depok	Jawa Barat
> 4	4	4	TMII	Jakarta Timur	DKI Jakarta
> 5	5	5	Bekasi Barat	Bekasi	Jawa Barat
> 6	6	6	Jatinegara	Jakarta Timur	DKI Jakarta
> 7	7	7	Cempaka Emas	Jakarta Utara	DKI Jakarta
> 8	8	8	Kebon Jeruk	Jakarta Pusat	DKI Jakarta
> 9	9	9	Cempaka Emas	Jakarta Utara	DKI Jakarta
> 10	10	10	Daan Mogot	Tangerang	Jawa Barat

# table\_loyalitas



Database: 127.0.0.1@5433 13.15 (Debian 13.15-1.p...)

Table: table\_loyalitas

Query: `SELECT * FROM table_loyalitas LIMIT 100`

Search results: Cost: 51ms < 1 > Total 10

	id_pelanggan bigint	loyalitas text
> 1	1	Silver
> 2	2	Silver
> 3	3	Bronze
> 4	4	Gold
> 5	5	Silver
> 6	6	Bronze
> 7	7	Gold
> 8	8	Silver
> 9	9	Bronze
> 10	10	Bronze

# table\_merchant

Database: 127.0.0.1@5433 13.15 (Debian 13.15-1.p...)

Table: table\_merchant

Query: `SELECT * FROM table_merchant LIMIT 100`

Search results: Cost: 10ms, Total 6

	id_merchant bigint	nama_merchant text	tanggal_registrasi timestamp without time zone
> 1	1	AYAM PODOMORO	2004-03-12 00:00:00
> 2	2	BURGER KING	2004-06-11 00:00:00
> 3	3	CHICKEN WING	2008-01-20 00:00:00
> 4	4	GEPREK BENSU	2010-01-30 00:00:00
> 5	5	KFC	2006-08-07 00:00:00
> 6	6	MCD	2009-10-21 00:00:00

# table\_order

Database: 127.0.0.1@5433 13.15 (Debian 13.15-1.p...)

Table: table\_order

Query: `SELECT * FROM table_order LIMIT 100`

Search results: Cost: 22ms, Total 10

	id_order bigint	id_pelanggan bigint	id_merchant bigint	tanggal_pembelian timestamp without time zone	kuantitas bigint	harga bigint
> 1	1	75	3	2019-12-12 00:00:00	5	39452
> 2	2	19	6	2019-09-07 00:00:00	1	33732
> 3	3	68	6	2017-10-05 00:00:00	2	23035
> 4	4	27	5	2017-08-17 00:00:00	2	31237
> 5	5	82	6	2018-01-08 00:00:00	5	32000
> 6	6	77	3	2018-01-09 00:00:00	2	63192
> 7	7	40	1	2017-03-02 00:00:00	1	36584
> 8	8	47	5	2017-06-28 00:00:00	3	36426
> 9	9	73	3	2016-07-14 00:00:00	3	42115