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## Portofolio - Intensive Bootcamp

# SQL Basic 1

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# SQL Basic 1

Kamu baru saja dihire oleh online store kecil-kecilan bernama Tokopaedi milik pak Edi sebagai data analyst. Namun sayangnya Tokopaedi belum memiliki sistem database sehingga kamu membangunnya dari awal. Maka dari itu tugas pertama kamu sebagai data analyst adalah:

1. Gunakan [file ini](#)
2. Membuat database bernama tokopaedi pada PostgreSQL/BigQuery
3. Membuat tabel bernama orders dengan kolomnya sebagai berikut (tips: tentukan terlebih dahulu tipe data dari setiap kolom berdasarkan nilai inputnya)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	order_id	customer_id	postal_code	product_id	sales	quantity	discount	profit	category	subcategory	product_name	order_date	ship_date	ship_mode	customer_name	segment	country	city	state	region
2	CA-2019-15215f	CG-12520	42420	FUR-BO-10001798	261.96	2	0	41.9136	Furniture	Bookcases	Bush Somerset	11/8/2019	11/11/2019	Second Class	Claire Gule	Consumer	United States	Henderson	Kentucky	South
3	CA-2019-15215f	CG-12520	42420	FUR-CH-10000454	731.94	3	0	219.582	Furniture	Chairs	Hon Deluxe Fabi	11/8/2019	11/11/2019	Second Class	Claire Gule	Consumer	United States	Henderson	Kentucky	South
4	CA-2019-13868f	DV-13045	90036	OFF-LA-10000240	14.62	2	0	6.8714	Office Supplies	Labels	Self-Adhesive At	6/12/2019	6/16/2019	Second Class	Darrin Van Huff	Corporate	United States	Los Angeles	California	West
5	US-2018-10896f	SO-20335	33311	FUR-TA-10000577	957.5775	5	0.45	-383.031	Furniture	Tables	Bretford CR450C	10/11/2018	10/18/2018	Standard Class	Sean O'Donnell	Consumer	United States	Fort Lauderdale	Florida	South

Nama kolom ditandai dengan warna hijau, contoh input ada di baris berikutnya




# 1. Membuat database “tokopaedi” pada PostgreSQL

- Membuka SQL Shell (psql)
- Setelah masuk menuliskan CREATE DATABASE tokopaedi;
- Setelah tekan ENTER maka pembuatan database tokopaedi berhasil
- Kemudian masuk ke database tokopaedi seperti pada gambar

```
postgres=# CREATE DATABASE tokopaedi;  
CREATE DATABASE  
postgres=#
```

Masuk ke database tokopaedi



```
Server [localhost]: localhost  
Database [postgres]: tokopaedi  
Port [5432]: 5432  
Username [postgres]: postgres  
Password for user postgres:  
  
psql (16.3)  
WARNING: Console code page (437) differs from Windows code page (1252)  
8-bit characters might not work correctly. See psql reference  
page "Notes for Windows users" for details.  
Type "help" for help.
```



## 2. Membuat table “orders” pada database “tokopaedi”

```
tokopaedi=# CREATE TABLE orders (  
tokopaedi(# order_id VARCHAR,  
tokopaedi(# customer_id VARCHAR,  
tokopaedi(# postal_code VARCHAR,  
tokopaedi(# product_id VARCHAR,  
tokopaedi(# sales VARCHAR,  
tokopaedi(# quantity VARCHAR,  
tokopaedi(# discount VARCHAR,  
tokopaedi(# profit VARCHAR,  
tokopaedi(# category VARCHAR,  
tokopaedi(# subcategory VARCHAR,  
tokopaedi(# product_name VARCHAR(500),  
tokopaedi(# order_date VARCHAR,  
tokopaedi(# ship_date VARCHAR,  
tokopaedi(# ship_mode VARCHAR,  
tokopaedi(# customer_name VARCHAR,  
tokopaedi(# segment VARCHAR,  
tokopaedi(# country VARCHAR,  
tokopaedi(# city VARCHAR,  
tokopaedi(# state VARCHAR,  
tokopaedi(# region VARCHAR);  
CREATE TABLE
```



### 3. Copy dataset dari file orders.csv yang sudah di download

```
tokopaedi=# SET CLIENT_ENCODING TO 'utf8';  
SET  
tokopaedi=# COPY orders (order_id,customer_id,postal_code,product_id,sal  
es,quantity,discount,  
tokopaedi(# profit,category,subcategory,product_name,order_date,ship_date,  
tokopaedi(# ship_mode,customer_name,segment,country,city,state,region)  
tokopaedi-# FROM 'C:\Users\Public\dataset\orders.csv' WITH CSV HEADER DELIMITER ',';  
COPY 9994
```



## 4. Menampilkan data dengan SELECT \* FROM orders LIMIT 5;

```
tokopaedi=# SELECT * FROM orders LIMIT 5;
```

order_id	customer_id	postal_code	product_id	sales	quantity	discount	profit	category	subcategory	
	product_name		order_date	ship_date	ship_mode		customer_name	segment	country	
city	state	region								
CA-2019-152156	CG-12520	42420	FUR-B0-10001798	261.96	2	0	41.9136	Furniture	Bookcases	Bush Som
erset Collection Bookcase			11/8/2019	11/11/2019	Second Class		Claire Gute	Consumer	United States	Hende
rson	Kentucky	South								
CA-2019-152156	CG-12520	42420	FUR-CH-10000454	731.94	3	0	219.582	Furniture	Chairs	Hon Delu
xe Fabric Upholstered Stacking Chairs, Rounded Back			11/8/2019	11/11/2019	Second Class		Claire Gute	Consumer	United States	Hende
rson	Kentucky	South								
CA-2019-138688	DV-13045	90036	OFF-LA-10000240	14.62	2	0	6.8714	Office Supplies	Labels	Self-Adh
esive Address Labels for Typewriters by Universal			6/12/2019	6/16/2019	Second Class		Darrin Van Huff	Corporate	United States	Los A
ngeles	California	West								
US-2018-108966	SO-20335	33311	FUR-TA-10000577	957.5775	5	0.45	-383.031	Furniture	Tables	Bretford
CR4500 Series Slim Rectangular Table			10/11/2018	10/18/2018	Standard Class		Sean O'Donnell	Consumer	United States	Fort
Lauderdale	Florida	South								
US-2018-108966	SO-20335	33311	OFF-ST-10000760	22.368	2	0.2	2.5164	Office Supplies	Storage	Eldon Fo
ld 'N Roll Cart System			10/11/2018	1-- More	--					