

Reporting Engineer

Summarizing “*Promo Effectiveness Review*”
Program pada Omnichannel Jubelio
(with PostgreSQL & Ms. Excel)

Presented by
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**Bachelor of Statistics
UNIVERSITAS AIRLANGGA**



JUBELIO



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Academy**



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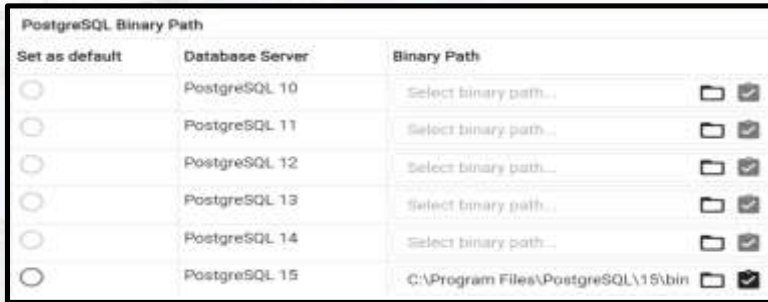
Case Study

Setiap 6 Bulan sekali (Akhir Semester) Omnichannel Jubelio mengadakan *Promo Effectiveness Review*, untuk melihat efektivitas dari PROMO CODE terhadap total penjualan dari salah satu marketplace. Lakukan Task berikut:

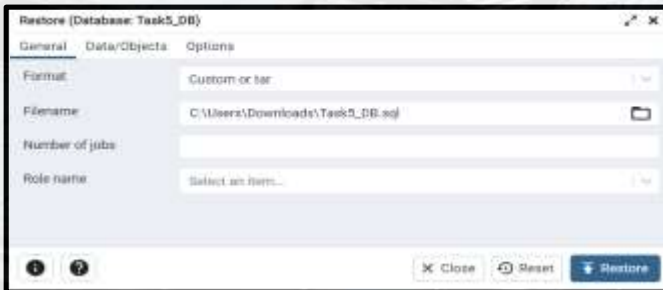
1. Mengaplikasikan *Promo Code* dari Tim Budgeting
2. Membuat Tabel Laporan Khusus Quartal ke 3 dan 4
3. Melakukan Summary dan Visualisasi dari Hasil Data Tabel Quartal ke 3 dan 4
4. Membuat Shipping Label Khusus Bulan Desember

Prasyarat

1. File → Preferences → Paths → Binary paths → PostgreSQL Binary Path



2. Membuat Database dengan nama 'Task5_DB' lalu Restore file 'Task5_DB'



TASK 1

Mengaplikasikan *Promo Code* dari Tim Budgeting

Task 1

1. Membuat Tabel 'promo_code'

```
CREATE TABLE promo_code (  
  promo_id SERIAL,  
  promo_name VARCHAR(100),  
  price_deduction BIGINT,  
  description VARCHAR(200),  
  duration INT,  
  PRIMARY KEY (promo_id));
```

2. Importing File 'promo_code.csv'

```
COPY promo_code(promo_id, promo_name, price_deduction, Description, Duration)  
FROM 'C:\Users\Downloads\promo_code.csv'  
DELIMITER ','  
CSV HEADER;
```

promo_id	promo_name	price_deduction	description	duration
1	ARAI_GAJIAN	15000	Setiap Bulan Khusus Tanggal 1	1
2	GRATIS ONGKIR	3000	Berlaku Tahun 2022	365
3	10_10	7500	Berlaku Tanggal 10 Bulan 10	1
4	HARBOLNAS	20000	Setiap Tanggal 12 Bulan Desember	1
5	END YEAR	15000	Setiap Tanggal Selama Bulan Desember	30
6	BERKHA RAMADHAN	15000	Berlaku Tanggal 2 April - 1 Mei	30
7	HARI RAYA	20000	1 Mei	1
8	TUJUH BELASAN	10000	Berlaku Tanggal 17 Agustus	1
9	VALENTINE DAY	10000	Berlaku 14 Februari	1
10	EASTER EGG	7500	Berlaku 17 April	1
11	CHRISTMAS	15000	Berlaku Tanggal 25 Desember - 31 Desember	8

← Tampilan Tabel 'promo_code'

TASK 2

**Membuat Tabel Laporan Khusus Quartal ke 3 dan 4
(Bulan Juli – Desember 2022)**

Task 2

1. Membuat Tabel 'Q3_Q4_Review'

```
Query  Query History  Messages  Notifications
1 CREATE TABLE Q3_Q4_Review (
2   purchase_date DATE,
3   total_price INT,
4   promo_code CHAR(30),
5   sales_after_promo INT
6 );
```

2. Identifikasi Tabel-tabel pada Database 'Task5_DB'

```
▼ Tables (7)
  > buyer_table
  > marketplace_table
  > promo_code
  > q3_q4_review
  > sales_table
  > seller_table
  > shipping_table
```

← Tujuh Tabel pada Database 'Task5_DB'

Task 2

3. Mengambil Data Transaksi Sales pada Tabel 'sales_table' Bulan 1 Juli 2022 – 31 Desember 2022

```
SELECT * FROM sales_table WHERE purchase_date BETWEEN '2022-07-01' AND '2022-12-31';
```

Data Output

	sales_id [PK] integer	item_id integer	purchase_date date	quantity integer	buyer_id integer	seller_id integer	promo_id integer
1	5413	2	2022-07-21	3	89	2	2
2	5414	311	2022-07-15	3	5	226	2
3	5415	270	2022-07-10	2	53	200	2
4	5416	222	2022-07-09	1	17	168	0
5	5417	171	2022-07-19	3	13	133	0
6	5418	27	2022-07-28	1	21	20	2
7	5419	402	2022-07-23	3	62	284	0

Total rows: 1000 of 5777 Query complete 00:00:00.110

← Tampilan Tabel 'sales_table' Periode
1 Juli 2022 – 31 Desember 2022

Task 2

4. Menampilkan Data pada Tabel 'marketplace_table'

```
SELECT * FROM marketplace_table;
```

Data Output

Item_id [P] integer	Item_name character varying (255)	price bigint	category character varying (25)	sub_category character varying (25)	reviews integer	sold integer	views integer	rating numeric	seller_id integer
1	mesin ro 500gpat 12step alkaline-u...	2850000	Kitchen Equipment	Water Purifier	86	145	10732	4.8	1
2	Pencetakan Pompa Galon Elektrik Be...	25000	Kitchen Equipment	Pompa Galon	1330	4130	30845	4.8	2
3	Timbangan Dapur Digital Waterpro...	18000	Kitchen Equipment	Timbangan Dapur	994	2283	62567	4.9	3
4	Timbangan Kopi 3Kg / 0.1G Digital	14900	Kitchen Equipment	Timbangan Dapur	1020	2520	55024	4.9	3
5	THOME Timbangan Dapur Digital T...	84750	Kitchen Equipment	Timbangan Dapur	947	1370	15306	4.9	4
6	MISOO Pompa Galon elektrik Port...	24900	Kitchen Equipment	Pompa Galon	6297	18308	112425	4.8	5
7	Timbangan Dapur Mangkok / Timb...	29900	Kitchen Equipment	Timbangan Dapur	1623	5451	68809	4.7	6
8	Starco Patepa Air Galon Elektrik Di...	59000	Kitchen Equipment	Pompa Galon	28037	42001	769153	4.9	7
9	Starcam Regulator Gas LPG Meter	109900	Kitchen Equipment	Regulator & Peng...	1832	4278	41872	4.9	8
10	DIESTEC Regulator Gas Non-Meter	79000	Kitchen Equipment	Regulator & Peng...	1063	2330	31305	4.9	8
11	Starcam Regulator Gas LPG Non-M...	85000	Kitchen Equipment	Regulator & Peng...	1007	2336	25435	4.9	8
12	Regulator Meter Gas LPG Star Cam...	109000	Kitchen Equipment	Regulator & Peng...	796	2009	16154	4.9	9
13	Timbangan Digital Dapur Coffee v...	48888	Kitchen Equipment	Timbangan Dapur	414	1307	11531	4.9	10
14	LakMaku Timbangan Buah Digital S...	218000	Kitchen Equipment	Timbangan Dapur	3210	7323	106178	4.8	6

Total rows: 450 of 450 Query complete 00:00:00.111 Ln 49, Col 28

← Tampilan Tabel 'marketplace_table'

Task 2

5. Menggabungkan Tabel 'sales_table' dan 'marketplace_table' pada Bulan 1 Juli 2022 – 31 Desember 2022

```
SELECT * FROM sales_table INNER JOIN marketplace_table USING(item_id)
WHERE purchase_date BETWEEN '2022-07-01' AND '2022-12-31'
ORDER BY purchase_date ASC;
```

Data Output

	item_id integer	sales_id integer	purchase_date date	quantity integer	buyer_id integer	seller_id integer	promo_id integer	item_name character varying (255)	price integer	category character varying	sub_category character varying	reviews integer
1	188	5742	2022-07-01	2	88	143	2	BAPE NAVY CA...	4999000	Fashion Pria	Hoodie - Pria	
2	144	5740	2022-07-01	3	114	64	2	Dell Laser Pointe...	48000	Electronics	Laser Pointer	
3	307	5691	2022-07-01	2	65	226	1	STUDIO TROPIC...	157500	Make-up	Setting Spray	1
4	356	5548	2022-07-01	3	81	254	2	Ermina Pure Rang...	51480	Make-up	Face Primer	1
5	262	5809	2022-07-01	2	80	190	2	VS Victoria's Sec...	750000	Fashion Wanita	Kimono Outer ...	
6	73	5793	2022-07-01	1	127	53	0	T&W Pompa Air ...	79900	Kitchen Equi...	Pompa Galon	1
7	129	5447	2022-07-01	1	90	94	0	Kartu RFID 13.56...	1670	Electronics	Kartu RFID	
8	242	5795	2022-07-01	3	16	124	1	Jaket Parka Wan...	129270	Fashion Wanita	Jaket Parka W...	
9	213	5825	2022-07-01	1	0	159	0	Jaket winter pria ...	185000	Fashion Pria	Jaket Pria	1
10	438	5517	2022-07-01	3	99	296	1	CANDESANTAN ...	33343	Medicine	Obat Alergi	2
11	75	6065	2022-07-01	3	37	50	0	sedimen filter 10...	5860	Kitchen Equi...	Water Purifier	
12	362	5561	2022-07-01	1	37	255	0	Gula - BARE Cus...	189000	Make-up	Cushion	1
13	417	6174	2022-07-01	2	78	297	0	mGank Multigrat...	275000	Medicine	Obat Diabetes	2
14	262	6028	2022-07-01	2	88	190	1	VS Victoria's Sec...	750000	Fashion Wanita	Kimono Outer ...	
15	120	6146	2022-07-01	2	13	94	0	Kartu Proximity ...	1690	Electronics	Kartu RFID	
16	406	5578	2022-07-01	2	44	254	2	VENTOLIN 2.5M...	52000	Medicine	Obat Asma	
17	188	5567	2022-07-01	3	112	143	1	BAPE NAVY CA...	4999000	Fashion Pria	Hoodie - Pria	

Total rows: 5777 of 5777 Query complete 00:00:00.118 Ln 22, Col 1

← Tampilan Tabel Gabungan
'sales_table' dan
'marketplace_table' Periode 1
Juli 2022 – 31 Desember 2022

Task 2

6. Menggabungkan Tabel 'sales_table' dan 'promo_code' pada Bulan 1 Juli 2022 – 31 Desember 2022

```
SELECT * FROM sales_table INNER JOIN promo_code USING(promo_id)
WHERE purchase_date BETWEEN '2022-07-01' AND '2022-12-31'
ORDER BY purchase_date ASC;
```

Data Output

	promo_id integer	sales_id integer	item_id integer	purchase_date date	quantity integer	buyer_id integer	seller_id integer	promo_name character varying (3)	price integer	deduction integer	description character varying (50)	duration integer
1		8887	188	2022-07-01	3	112	143	AWAL_GAJIAN	15000		Setiap Bulan Khusus T...	1
2		5517	438	2022-07-01	8	99	298	AWAL_GAJIAN	15000		Setiap Bulan Khusus T...	1
3		5745	144	2022-07-01	3	114	84	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365
4		8878	400	2022-07-01	2	84	284	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365
5		6742	188	2022-07-01	2	89	143	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365
6		8886	262	2022-07-01	2	50	196	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365
7		5755	76	2022-07-01	1	98	36	AWAL_GAJIAN	15000		Setiap Bulan Khusus T...	1
8		5468	49	2022-07-01	3	108	18	AWAL_GAJIAN	15000		Setiap Bulan Khusus T...	1
9		6828	262	2022-07-01	2	88	196	AWAL_GAJIAN	15000		Setiap Bulan Khusus T...	1
10		5548	956	2022-07-01	8	61	234	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365
11		8891	307	2022-07-01	2	65	226	AWAL_GAJIAN	15000		Setiap Bulan Khusus T...	1
12		5795	242	2022-07-01	3	16	124	AWAL_GAJIAN	15000		Setiap Bulan Khusus T...	1
13		8862	384	2022-07-01	1	64	280	AWAL_GAJIAN	15000		Setiap Bulan Khusus T...	1
14		8898	20	2022-07-01	2	7	14	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365
15		5519	85	2022-07-01	1	30	63	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365
16		8807	157	2022-07-02	3	111	119	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365
17		5633	204	2022-07-02	2	48	150	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365
18		6729	41	2022-07-02	2	86	31	GRATIS_ONGKOR	5000		Berlaku Tahun 2022	365

Total rows: 3131 of 3131 Query complete 00:00:00.102 Ln:47, Col:1

← Tampilan Tabel Gabungan
'sales_table' dan
'promo_code' Periode 1 Juli
2022 – 31 Desember 2022



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TASK 3

**Melakukan Summary dan Visualisasi dari Hasil Data
Tabel Quartal ke 3 dan 4 (Bulan Juli – Desember 2022)**

Task 3

1. Membuat Kolom 'total_price' yang terdiri dari Perkalian 'quantity' pada Tabel 'sales_table' dengan 'price' pada Tabel 'marketplace_table'

```
SELECT sales_table.sales_id, sales_table.purchase_date, sales_table.quantity, marketplace_table.price,  
(quantity*price) AS total_price  
FROM sales_table  
INNER JOIN marketplace_table ON sales_table.item_id=marketplace_table.item_id  
WHERE purchase_date BETWEEN '2022-07-01' AND '2022-12-31'  
ORDER BY purchase_date ASC;
```

Data Output

	sales_id integer	purchase_date date	quantity integer	price bigint	total_price bigint
1	5742	2022-07-01	2	4999000	9998000
2	5740	2022-07-01	3	48000	144000
3	5691	2022-07-01	2	157500	315000
4	5548	2022-07-01	3	51480	154440
5	5909	2022-07-01	-2	750000	1500000
6	5793	2022-07-01	1	79900	79900
7	5447	2022-07-01	1	1670	1670
8	5795	2022-07-01	3	129270	387810
9	5835	2022-07-01	1	185000	185000
10	5517	2022-07-01	3	33343	100029
11	6965	2022-07-01	3	5690	17070
12	5561	2022-07-01	1	189000	189000
13	6174	2022-07-01	2	275000	550000
14	6028	2022-07-01	2	750000	1500000

Total rows: 1000 of 5777 Query complete 00:00:00.074

← Tampilan Tabel 'sales_table' dan 'marketplace_table' dengan tambahan 'total_price'

Task 3

2. Membuat Kolom 'price_after_promo' yang terdiri dari Pengurangan 'total_price' pada Perhitungan Langkah 1 Dikurangi 'price_deduction' pada Tabel 'promo_code' lalu Hasilnya Digabungkan dengan Langkah Pertama

```
SELECT sales_table.sales_id, sales_table.purchase_date, sales_table.quantity,  
marketplace_table.price, sales_table.promo_id,  
(quantity*price) AS total_price, promo_code.price_deduction,  
((quantity*price)-promo_code.price_deduction) AS price_after_promo  
FROM ((sales_table  
INNER JOIN marketplace_table ON sales_table.item_id=marketplace_table.item_id)  
INNER JOIN promo_code ON sales_table.promo_id=promo_code.promo_id)  
WHERE purchase_date BETWEEN '2022-07-01' AND '2022-12-31'  
ORDER BY purchase_date ASC;
```

Task 3



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Tampilan Tabel 'sales_table',
'marketplace_table', dan 'promo_code' →
dengan Tambahan 'total_price' dan
'price_after_promo'

Data Output									
	sales_id integer	purchase_date date	quantity integer	price bigint	promo_id integer	total_price bigint	price_deduction bigint	price_after_promo bigint	
1	5587	2022-07-01	3	4999000	1	14997000	15000	14982000	
2	5517	2022-07-01	3	33343	1	100029	15000	85029	
3	5740	2022-07-01	3	48000	2	144000	5000	139000	
4	5578	2022-07-01	2	52000	2	104000	5000	99000	
5	5742	2022-07-01	2	4999000	2	9998000	5000	9993000	
6	5909	2022-07-01	2	750000	2	1500000	5000	1495000	
7	5755	2022-07-01	1	231000	1	231000	15000	216000	
8	5463	2022-07-01	3	64000	1	192000	15000	177000	
9	6028	2022-07-01	2	750000	1	1500000	15000	1485000	
10	5548	2022-07-01	3	51480	2	154440	5000	149440	
11	5691	2022-07-01	3	157500	1	315000	15000	300000	
12	5795	2022-07-01	3	129270	1	387810	15000	372810	
13	5962	2022-07-01	1	145000	1	145000	15000	130000	
14	6098	2022-07-01	2	55000	2	110000	5000	105000	
Total rows: 1000 of 3131 Query complete 00:00:00.173									

3. Menyimpan Data dan Tabel Hasil Akhir pada Langkah Kedua dalam Format 'csv'

Task 3



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4. Membuka dan Merapikan Data Hasil di Excel

	A	B	C	D	E	F	G	H	I	J
1	sales_id	purchase_date	quantity	price	promo_id	total_price	price_deduction	price_after_promo		
2	5587	"2022-07-01"	3	4999000	1	14997000	15000	14982000		
3	5517	"2022-07-01"	3	33343	1	100029	15000	85029		
4	5740	"2022-07-01"	3	48000	2	144000	5000	139000		
5	5578	"2022-07-01"	2	52000	2	104000	5000	99000		
6	5742	"2022-07-01"	2	4999000	2	9998000	5000	9993000		
7	5909	"2022-07-01"	2	750000	2	1500000	5000	1495000		
8	5755	"2022-07-01"	1	231000	1	231000	15000	216000		
9	5463	"2022-07-01"	3	64000	1	192000	15000	177000		
10	6028	"2022-07-01"	2	750000	1	1500000	15000	1485000		
11	5548	"2022-07-01"	3	51480	2	154440	5000	149440		
12	5691	"2022-07-01"	2	157500	1	315000	15000	300000		
13	5795	"2022-07-01"	3	129270	1	387810	15000	372810		
14	5962	"2022-07-01"	1	145000	1	145000	15000	130000		
15	6098	"2022-07-01"	2	55000	2	110000	5000	105000		
16	5519	"2022-07-01"	1	159000	2	159000	5000	154000		
17	5807	"2022-07-02"	3	140000	2	420000	5000	415000		
18	5632	"2022-07-02"	2	169000	2	338000	5000	333000		
19	5729	"2022-07-02"	2	23200	2	46400	5000	41400		
20	5616	"2022-07-02"	2	19500	2	39000	5000	34000		
21	5966	"2022-07-02"	3	62400	2	187200	5000	182200		
22	5855	"2022-07-02"	1	199000	2	199000	5000	194000		
23	5586	"2022-07-02"	1	69000	2	69000	5000	64000		
24	5458	"2022-07-02"	3	79900	2	239700	5000	234700		
25	5816	"2022-07-02"	2	19000	2	38000	5000	33000		
26	5507	"2022-07-02"	3	9200	2	27600	5000	22600		
27	5689	"2022-07-03"	1	1670	2	1670	5000	-3330		
28	5918	"2022-07-03"	2	31000	2	62000	5000	57000		
29	6131	"2022-07-03"	3	76000	2	228000	5000	223000		

Data Task 3



	A	B	C	D	E	F	G	H
1	sales_id	purchase_date	quantity	price	promo_id	total_price	price_deduction	price_after_promo
2	5587	01/07/2022	3	4999000	1	14997000	15000	14982000
3	5517	01/07/2022	3	33343	1	100029	15000	85029
4	5740	01/07/2022	3	48000	2	144000	5000	139000
5	5578	01/07/2022	2	52000	2	104000	5000	99000
6	5742	01/07/2022	2	4999000	2	9998000	5000	9993000
7	5909	01/07/2022	2	750000	2	1500000	5000	1495000
8	5755	01/07/2022	1	231000	1	231000	15000	216000
9	5463	01/07/2022	3	64000	1	192000	15000	177000
10	6028	01/07/2022	2	750000	1	1500000	15000	1485000
11	5548	01/07/2022	3	51480	2	154440	5000	149440
12	5691	01/07/2022	2	157500	1	315000	15000	300000
13	5795	01/07/2022	3	129270	1	387810	15000	372810
14	5962	01/07/2022	1	145000	1	145000	15000	130000
15	6098	01/07/2022	2	55000	2	110000	5000	105000
16	5519	01/07/2022	1	159000	2	159000	5000	154000
17	5807	02/07/2022	3	140000	2	420000	5000	415000
18	5632	02/07/2022	2	169000	2	338000	5000	333000
19	5729	02/07/2022	2	23200	2	46400	5000	41400
20	5616	02/07/2022	2	19500	2	39000	5000	34000
21	5966	02/07/2022	3	62400	2	187200	5000	182200
22	5855	02/07/2022	1	199000	2	199000	5000	194000
23	5586	02/07/2022	1	69000	2	69000	5000	64000
24	5458	02/07/2022	3	79900	2	239700	5000	234700
25	5816	02/07/2022	2	19000	2	38000	5000	33000
26	5507	02/07/2022	3	9200	2	27600	5000	22600
27	5689	03/07/2022	1	1670	2	1670	5000	-3330
28	5918	03/07/2022	2	31000	2	62000	5000	57000
29	6131	03/07/2022	3	76000	2	228000	5000	223000

Data Task 3

Task 3




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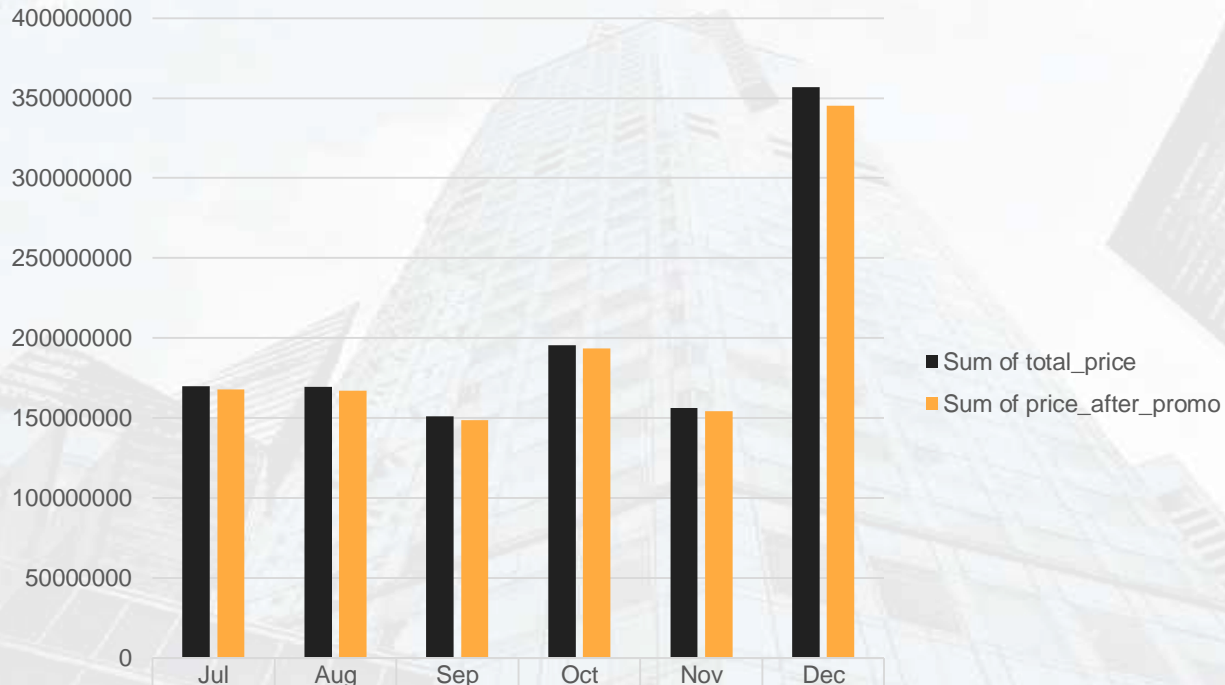
5. Membuat Pivot Table

Row Labels 	Sum of total_price	Sum of price_after_promo
⊕ Jul	169775576	167675576
⊕ Aug	169483456	166958456
⊕ Sep	150845912	148690912
⊕ Oct	195552350	193349850
⊕ Nov	156375954	154095954
⊕ Dec	357036114	345131114
Grand Total	1199069362	1175901862

← Tampilan Pivot Tabel yang Berisi Jumlah dari 'total_price' dan 'price_after_promo' pada Bulan Juli - Desember

Task 3

6. Membuat Visualisasi Data dengan Clustered Column Chart



Sum of total_price	169775576	169483456	150845912	195552350	156375954	357036114
Sum of price_after_promo	167675576	166958456	148690912	193349850	154095954	345131114

Task 3

7. Interpretasi Hasil Analisis

Terdapat perbedaan berupa pengurangan harga yang sebelumnya tanpa menggunakan promo dan setelah menggunakan promo. Dengan adanya promo berupa potongan harga atau gratis ongkos kirim dapat membuat:

- Konsumen dapat membeli barang dengan harga yang lebih murah
- Membantu konsumen menghemat biaya, sehingga mereka dapat membeli lebih banyak produk atau jasa dengan anggaran yang sama
- Meningkatkan daya beli konsumen
- Meningkatkan loyalitas konsumen
- Menjaga daya saing dalam persaingan bisnis

TASK 4

Membuat Shipping Label Khusus Bulan Desember

Task 4

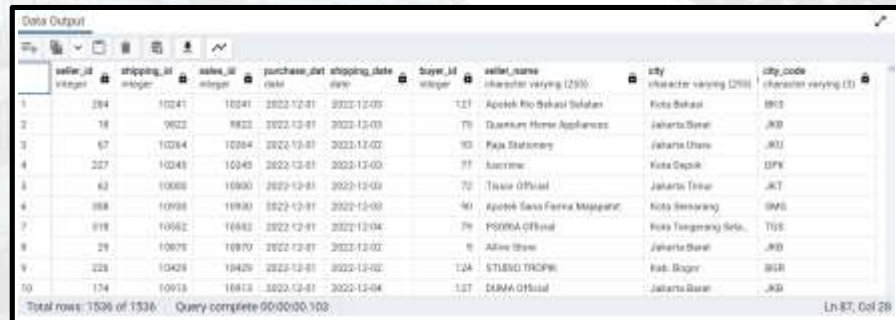
1. Membuat Tabel 'shipping_summary'

```
CREATE TABLE shipping_summary(  
  shipping_id INT,  
  shipping_date DATE,  
  seller_name VARCHAR (255),  
  buyer_name VARCHAR (255),  
  buyer_address VARCHAR (50),  
  buyer_city VARCHAR (255),  
  buyer_zipcode BIGINT,  
  kode_resi BIGINT,  
  PRIMARY KEY (shipping_id));
```

2. Menggabungkan Tabel 'shipping_table' dan 'seller_table' pada Bulan Desember 2022

```
SELECT * FROM shipping_table INNER JOIN seller_table USING(seller_id)  
WHERE purchase_date BETWEEN '2022-12-01' AND '2022-12-31'  
ORDER BY purchase_date ASC;
```

Tampilan Tabel 'shipping_table' dan
'seller_table' pada Bulan Desember 2022 →



	seller_id integer	shipping_id integer	seller_name varchar(255)	purchase_date date	shipping_date date	buyer_id integer	seller_name varchar(255)	city varchar(255)	city_code varchar(10)
1	284	10241	10241	2022-12-01	2022-12-01	121	Aperok Rio Bekasi Selatan	Kota Bekasi	0813
2	18	9822	9822	2022-12-01	2022-12-01	78	Quemur Home Appliances	Jakarta Barat	JKB
3	67	10284	10284	2022-12-01	2022-12-02	93	Papa Stationery	Jakarta Utara	JKT
4	227	10248	10248	2022-12-01	2022-12-03	77	Asurine	Kota Depok	079
5	43	10688	10688	2022-12-01	2022-12-03	70	Tasera Official	Jakarta Timur	JKT
6	188	10938	10938	2022-12-01	2022-12-03	91	Aperok Sans Ferra Magelang	Kota Semarang	0815
7	918	10682	10682	2022-12-01	2022-12-04	79	PSORNA Official	Kota Tangerang Selatan	TGS
8	29	10879	10879	2022-12-01	2022-12-02	8	Adine Store	Jakarta Barat	JKB
9	228	10428	10428	2022-12-01	2022-12-02	124	STUDIO THOPIN	Kab. Bogor	0818
10	174	10918	10918	2022-12-01	2022-12-04	127	DUMA Official	Jakarta Barat	JKB

Total rows: 1536 of 1536 Query complete 00:00:00.103 Ln 87, Col 28

Task 4

3. Menggabungkan Tabel 'shipping_table' dan 'buyer_table' pada Bulan Desember 2022

```
SELECT * FROM shipping_table INNER JOIN buyer_table USING(buyer_id)
WHERE purchase_date BETWEEN '2022-12-01' AND '2022-12-31'
ORDER BY purchase_date ASC;
```

Data Output

	buyer_id	shipping_id	sales_id	purchase_date	shipping_date	seller_id	buyer_name	address	city	zipcode	phone	city_code
	integer	integer	integer	date	date	integer	character varying (25)	character varying (255)	character varying (10)	integer	integer	character
1	76	10661	10661	2022-12-01	2022-12-02	85	Damen Silalahi	Jl Banyuwangi Ray...	Kota Solo	17086	6285743364	SLO
2	99	10930	10930	2022-12-01	2022-12-03	308	Eka Selo Kasih Tj...	Jl Sri Tanjung Pa...	Kota Pas...	15438	6285769771	PSU
3	88	9882	9882	2022-12-01	2022-12-04	27	Efreni Wardhana	Jl Solemba Raya P...	Jakarta P...	16239	6285769352	JKP
4	75	9622	9622	2022-12-01	2022-12-09	18	Damen Leo	Jl Gikri Bayu B	Jakarta P...	16589	6285759448	JKP
5	28	10732	10732	2022-12-01	2022-12-02	276	Bea Adida Hartono	Jl Tj Baru 21 J/T1	Kota Pas...	16935	6285778284	PSU
6	94	10184	10184	2022-12-01	2022-12-02	291	Emi Sukati Lasm...	Jl Letjen Haryono ...	Jakarta P...	16482	6285615714	JKP
7	83	10957	10957	2022-12-01	2022-12-02	49	Edy Kusnadi	Jl Depandi Raya 42	Jakarta S...	17188	6285769221	JKS
8	46	11099	11099	2022-12-01	2022-12-04	188	BHAYANG SUMPA...	Jl Gondangdia La...	Jakarta P...	16118	6285739556	JKP
9	12	11047	11047	2022-12-01	2022-12-03	328	Andang Dachtai	Jl Kedoya Alusia ...	Jakarta U...	13394	6285829258	JGU
10	93	10264	10264	2022-12-01	2022-12-02	67	ELVIN TJANDRA	Jl Tebet Tri Dala	Jakarta P...	16618	6285810168	JKP
11	77	10248	10248	2022-12-01	2022-12-03	227	Damen Scapiesi	Jl Industri XXIV ME...	Kota Solo	15213	6285772584	SLO
12	26	9467	9467	2022-12-01	2022-12-02	126	Andra Jichanwes	Jl Aquna IV/16	Jakarta S...	16636	6285830616	JKS

Total rows: 1528 of 1528 Query complete 00:00:00.133 Ln 92, Col 1

← Tampilan Tabel 'shipping_table' dan 'buyer_table' pada Bulan Desember 2022

Task 4

4. Membuat Kolom 'kode_resi' pada Tabel 'shipping_summary'

```
SELECT shipping_table.shipping_id, shipping_table.shipping_date, seller_table.seller_name,  
buyer_table.city, buyer_table.zipcode,  
CONCAT (shipping_id,purchase_date,shipping_date,shipping_table.buyer_id,shipping_table.seller_id)  
AS kode_resi FROM ((shipping_table  
INNER JOIN seller_table ON shipping_table.seller_id=seller_table.seller_id)  
INNER JOIN buyer_table ON shipping_table.buyer_id=buyer_table.buyer_id)  
WHERE shipping_date BETWEEN '2022-12-01' AND '2022-12-31'  
ORDER BY shipping_date ASC;
```

← Tampilan Tabel 'shipping_summary'

Data Output						
	shipping_id integer	shipping_date date	seller_name character varying (255)	city character varying (255)	zipcode bigint	kode_resi text
1	9270	2022-12-01	AgenJawabandung	Jakarta Pusat	13415	92702022-11-302022-12-01103125
2	9401	2022-12-01	ejjccom	Jakarta Pusat	14366	94012022-11-282022-12-018914
3	9389	2022-12-01	lock180	Jakarta Barat	14966	93892022-11-302022-12-01109172
4	9046	2022-12-01	KoboiTech	Jakarta Pusat	14563	90462022-11-292022-12-019574
5	9335	2022-12-01	Aksaemaster.ID	Jakarta Pusat	14250	93352022-11-302022-12-015277
6	9129	2022-12-01	Apotek Rajeki Tamang Grogol Palambaran	Kota Bandung	16318	91292022-11-292022-12-01108278
7	9153	2022-12-01	Apotek Maro Cengkareng	Jakarta Pusat	14277	91532022-11-292022-12-0187305
8	9047	2022-12-01	lapak sbb	Jakarta Selatan	14483	90472022-11-292022-12-012292
9	8826	2022-12-01	Apotek Century Permata	Jakarta Pusat	15502	88262022-11-302022-12-0154302
10	9061	2022-12-01	STUDIO TROFIK	Kota Pekanbaru	17038	90612022-11-292022-12-0134226

Total rows: 1000 of 1465 Query complete 00:00:00.118 Ln 104, Col 13

Task 4

5. Ekspor Data dan Tabel Hasil ke Excel dalam Format 'csv'

6. Membuka Data Tabel 'shipping_summary' di Excel

	A	B	C	D	E
1	buyer_name	address	city	zipcode	kode_resi
2	Evi Wikarsa	Jl Dewi Sartika 357 C	Jakarta Pusat	15415	92702022-11-302022-12-01103125
3	Eiffel Tedja	Jl Kwitang Raya 8 Ged Senatama	Jakarta Pusat	16366	94012022-11-282022-12-018914
4	Hipe Isenta	Jl Pekayon 4	Jakarta Barat	16966	93892022-11-302022-12-01109172
5	Elvira Pudjiwati	Jl Raya Pasar Minggu Bl B/12	Jakarta Pusat	16563	90462022-11-292022-12-019574
6	Bob Yanuar	Jl RS Fatmawati 15 Golden Plaza Bl I/1-2	Jakarta Pusat	16250	93352022-11-302022-12-015277
7	Fabian Gelael	Jl Prof Surya Sumantri 16	Kota Bandung	16319	91292022-11-292022-12-01108279
8	Effendy Husin	Jl Ampera Raya Kav I/5 Ged Satmarindo Lt 2	Jakarta Pusat	16277	93532022-11-292022-12-0187305
9	Andre Sukendra Atmadja	Jl Laksda M Nazir 11 U	Jakarta Selatan	16483	90472022-11-292022-12-012292
10	Bobby Andhika	Jl Panti Asuhan 2	Jakarta Pusat	15502	88262022-11-302022-12-0154302
11	Beng Phiau	Jl Baskara Sari 92	Kota Pasuruan	17038	90512022-11-292022-12-0134226
12	Darmadi Karjanto Putro	Jl Pinangsia III/15	Jakarta Pusat	17167	91052022-11-302022-12-0168255
13	Andi Achmad Dara	Jl Sumagung III Kav Bulak K/5	Jakarta Utara	16681	90012022-11-292022-12-0114227
14	Ance Anggraeny	Jl Garuda Dlm I Bl B/47	Kota Bandung	16576	91022022-11-292022-12-011184
15	Andi Achmad Dara	Jl Sumagung III Kav Bulak K/5	Jakarta Utara	16681	96222022-11-302022-12-0114117
16	Execorp Limited	Jl Raden Saleh Ruko Metro Permata Bl A-2/33	Jakarta Pusat	15758	95992022-11-282022-12-01107178
17	Darwin Leo	Jl Cikini Raya 8	Jakarta Pusat	16509	91642022-11-292022-12-0175246

7. Menghilangkan '-' pada Kolom 'kode_resi' dengan Formula =SUBSTITUTE(\$E\$2:\$E\$1466; "-"; "")

Task 4

8. Hasil Akhir dari Tabel 'shipping_summary'

	A	B	C	D	E
1	buyer_name	address	city	zipcode	kode_resi
2	Evi Wikarsa	Jl Dewi Sartika 357 C	Jakarta Pusat	15415	92702022113020221201103125
3	Eiffel Tedja	Jl Kwitang Raya 8 Ged Senatama	Jakarta Pusat	16366	940120221128202212018914
4	Hioe Isenta	Jl Pekayon 4	Jakarta Barat	16966	93892022113020221201109172
5	Elvira Pudjiwati	Jl Raya Pasar Minggu Bl B/12	Jakarta Pusat	16563	904620221129202212019574
6	Bob Yanuar	Jl RS Fatmawati 15 Golden Plaza Bl I/1-2	Jakarta Pusat	16250	933520221130202212015277
7	Fabian Gelael	Jl Prof Surya Sumantri 16	Kota Bandung	16319	91292022112920221201108279
8	Effendy Husin	Jl Ampere Raya Kav I/5 Ged Satmarindo Lt 2	Jakarta Pusat	16277	9353202211292022120187305
9	Andre Sukendra Atmadja	Jl Laksda M Nazir 11 U	Jakarta Selatan	16483	904720221129202212012292
10	Bobby Andhika	Jl Panti Asuhan 2	Jakarta Pusat	15502	8826202211302022120154302
11	Beng Phiau	Jl Baskara Sari 92	Kota Pasuruan	17038	9051202211292022120134226
12	Darmadi Karjanto Putro	Jl Pinangsia III/15	Jakarta Pusat	17167	9105202211302022120168255
13	Andi Achmad Dara	Jl Sumagung III Kav Bulak K/5	Jakarta Utara	16681	9001202211292022120114227
14	Ance Anggraeny	Jl Garuda Dlm I Bl B/47	Kota Bandung	16576	910220221129202212011184
15	Andi Achmad Dara	Jl Sumagung III Kav Bulak K/5	Jakarta Utara	16681	9622202211302022120114117
16	Execorp Limited	Jl Raden Saleh Ruko Metro Permata Bl A-2/33	Jakarta Pusat	15758	95992022112820221201107178
17	Darwin Leo	Jl Cikini Raya 8	Jakarta Pusat	16509	9164202211292022120175246
18	Christiana Halim	Jl Mampang Prapatan Raya 18	Jakarta Pusat	17224	8871202211292022120163151
19	Irwan Hermanto	Jl Albaido I 29-30	Jakarta Barat	15246	9559202211302022120113226
20	Elsa Djauhari	Jl Ngagel Tirtosari 19	Kota Pasuruan	16072	9543202211282022120192157

Link Github

https://github.com/BagusRadityaN/File_Task_Jubelio

Link Video Presentation

<https://youtu.be/V3YgMwkVNyA>

Thank You



JUBELIO