Soal 1

```
 1  /* 1) Ongkos Kirim per Kurir
 2  Konteks bisnis: Finance ingin tahu kurir mana yang cenderung mahal.
 3  Pertanyaan bisnis: Hitung rata-rata freight per ship_via dan tampilkan dari yang paling mahal.
 4  Tabel: orders */
 5
 6  SELECT
 7      ship_via,
 8      AVG(freight) AS avg_freight
 9  FROM orders
10  GROUP BY ship_via
11  ORDER BY avg_freight DESC;
12
```

	ship_via	avg_freight
1	2	86.64064430615699
2	3	80.4412157543734
3	1	65.00132524958217

Soal 2

```
14  /* 2) Negara Tujuan Dominan
15  Konteks bisnis: Marketing menargetkan negara dengan trafik transaksi tinggi.
16  Pertanyaan bisnis: Tampilkan 5 negara tujuan (ship_country) dengan jumlah pesanan terbanyak.
17  Tabel: orders */
18
19
20  SELECT
21      ship_country,
22      COUNT(*) AS total_orders
23  FROM orders
24  GROUP BY ship_country
25  ORDER BY total_orders DESC
26  LIMIT 5;
```

	ship_country	total_orders
1	Germany	122
2	USA	122
3	Brazil	83
4	France	77
5	UK	56

Soal 3

```
29  /* 3) Kategori Mahal
30  Konteks bisnis: Product manager mengecek positioning harga.
31  Pertanyaan bisnis: Tampilkan category_id dengan rata-rata harga (unit_price) > 30, beserta jumlah item per kategori, urutkan dari
    rata-rata tertinggi.
32  Tabel: products */
33
34  SELECT
35      category_id,
36      AVG(unit_price) AS avg_price,
37      COUNT(*) AS total_products
38  FROM products
39  GROUP BY category_id
40  HAVING AVG(unit_price) > 30
41  ORDER BY avg_price DESC;
```

Save Run ▾

	category_id ▲	avg_price ▲	total_products ▲
1	6	54.00666666030884	6
2	1	37.979166666666664	12
3	7	32.369999694824216	5

Soal 4

```
43  /* 4) Negara dengan Customer Terdaftar paling banyak
44  Konteks bisnis: Growth team menyiapkan kampanye global.
45  Pertanyaan bisnis: Tampilkan 10 negara dengan jumlah pelanggan terbanyak.
46  Tabel: customers */
47
48  SELECT
49      country,
50      COUNT(*) AS total_customers
51  FROM customers
52  GROUP BY country
53  ORDER BY total_customers DESC
54  LIMIT 10;
55
```

	country ▲	total_customers ▲
1	USA	13
2	France	11
3	Germany	11
4	Brazil	9
5	UK	7
6	Spain	5
7	Mexico	5
8	Venezuela	4
9	Argentina	3
10	Italy	3

Soal 5

```sql
/* 5) Masa Kerja Karyawan
Konteks bisnis: HR menyiapkan program penghargaan loyalitas.
Pertanyaan bisnis: Tampilkan 5 karyawan dengan masa kerja terpanjang (tahun sejak hire_date), sertakan nama dan tahun masa kerja.
Tabel: employees */

SELECT
    employee_id,
    first_name || ' ' || last_name AS full_name,
    EXTRACT(YEAR FROM AGE(CURRENT_DATE, hire_date)) AS years_of_service
FROM employees
ORDER BY years_of_service DESC
LIMIT 5;
```

Save   Run

	employee_id	full_name	years_of_service
1	1	Nancy Davolio	33
2	2	Andrew Fuller	33
3	3	Janet Leverling	33
4	4	Margaret Peacock	32
5	5	Steven Buchanan	32