1. Membuat data dummy

a) Perintah sql yang dijalankan, tabel dengan nama supermarket

b) Tabel supermarket

no transaksi	tanggal_transaksi	nama_barang	jumlah
blnj001	2023-07-01	Mie Sedap	3
blnj001	2023-07-01	Teh Botol Sosro	2
blnj001	2023-07-01	Sabun Mandi Lifebuoy	1
blnj001	2023-07-01	Pepsodent Toothpaste	2
blnj001	2023-07-01	Kecap ABC	1
blnj002	2023-07-01	Indomie Goreng	5
blnj002	2023-07-01	Aqua Mineral Water	3
blnj002	2023-07-01	Rinso Detergent	1
blnj002	2023-07-01	Clear Shampoo	2
blnj002	2023-07-01	Makaroni Masakan	1
blnj003	2023-07-01	Pocari Sweat	2
blnj003	2023-07-01	Teh Pucuk Harum	3
blnj003	2023-07-01	Lux Soap	2
blnj003	2023-07-01	Colgate Toothpaste	1
blnj003	2023-07-01	Saus Tomat ABC	1
blnj004	2023-07-02	Mie Goreng	4
blnj004	2023-07-02	Coca-Cola	2
blnj004	2023-07-02	Rexona Deodorant	1
blnj004	2023-07-02	Pepsodent Toothpaste	2
blnj004	2023-07-02	Sambal ABC	1
blnj005	2023-07-03	Chitato Chips	3
blnj005	2023-07-03	Teh Kotak	2
blnj005	2023-07-03	Lifebuoy Soap	1
blnj005	2023-07-03	Close-Up Toothpaste	2
blnj005	2023-07-03	Kecap Bango	1

2. Membuat tabel untuk proses apriori

1. Perintah sql yang dijalankan, membuat tabel dengan nama supermarket_apriori

```
CREATE TABLE Supermarket_apriori (
no_transaksi VARCHAR(10),
tanggal_transaksi DATE,
daftar_barang VARCHAR(500),
total_jumlah INT
);

NSERT INTO supermarket_apriori (no_transaksi, tanggal_transaksi, daftar_barang, total_jumlah)
SELECT no_transaksi, tanggal_transaksi, GROUP_CONCAT(nama_barang SEPARATOR ', ') AS daftar_barang, SUM(jumlah) AS total_jumlah
GROUP BY no_transaksi, tanggal_transaksi;
```

2. Tabel supermarket_apriori

no_transaksi	tanggal_transaksi	daftar_barang	total_jumlah
blnj001	2023-07-01	Mie Sedap, Teh Botol Sosro, Sabun Mandi Lifebuoy,	9
blnj002	2023-07-01	Makaroni Masakan, Clear Shampoo, Rinso Detergent,	12
blnj003	2023-07-01	Pocari Sweat, Teh Pucuk Harum, Lux Soap, Colgate T	9
blnj004	2023-07-02	Sambal ABC, Pepsodent Toothpaste, Rexona Deodorant	10
blnj005	2023-07-03	Chitato Chips, Teh Kotak, Lifebuoy Soap, Close-Up	9
blnj006	2023-07-03	Kecap Cap Orang Tua, Dove Shampoo, Downy Fabric So	12
blnj007	2023-07-04	Rexona Deodorant, Fanta, Cheetos, Kecap ABC, Pepso	16
blnj008	2023-07-04	Indomie Goreng, Teh Pucuk Harum, Pocari Sweat, Mak	13
blnj009	2023-07-04	Chitato Chips, Coca-Cola, Mie Goreng, Saus Tomat A	13
blnj010	2023-07-04	Downy Fabric Softener, Pristine Drinking Water, Sa	15
blnj011	2023-07-05	Rexona Deodorant, Fanta, Cheetos, Pepsodent Toothp	19
blnj012	2023-07-05	Saus Tomat ABC, Colgate Toothpaste, Lux Soap, Indo	19
blnj013	2023-07-06	Sari Roti, Kecap Bango, Close-Up Toothpaste, Lifeb	18
blnj014	2023-07-06	Fanta, Cheetos, Pepsodent Toothpaste, Sabun Mandi	20
blnj015	2023-07-06	Indomie Goreng, Lux Soap, Colgate Toothpaste, Saus	21
blnj016	2023-07-06	Pristine Drinking Water, Sari Roti, Kecap Bango, C	19
blnj017	2023-07-06	Fanta, Cheetos, Pepsodent Toothpaste, Sabun Mandi	16
blnj018	2023-07-07	Colgate Toothpaste, Lux Soap, Indomie Goreng, Teh	20

3. Data OLAP

a) Perintah sql dijalankan, membuat tabel dengan nama olap

```
CREATE TABLE olap (
tanggal_transaksi DATE,
jumlah_transaksi INT,
jumlah_barang INT
);

INSERT INTO olap (tanggal_transaksi, jumlah_transaksi, jumlah_barang)

SELECT tanggal_transaksi, COUNT(*) AS jumlah_transaksi, SUM(LENGTH(daftar_barang) - LENGTH(REPLACE(daftar_barang, ',', '')) + 1) AS jumlah_barang
FROM supermarket_apriori|
GROUP BY tanggal_transaksi;
```

b) Hasil data OLAP

tanggal_transaksi 🔺 1	jumlah_transaksi	jumlah_barang
2023-07-01	3	15
2023-07-02	1	5
2023-07-03	2	10
2023-07-04	4	27
2023-07-05	2	18
2023-07-06	5	46
2023-07-07	1	10

Menampilkan jumlah transaksi pada tanggal tertentu.