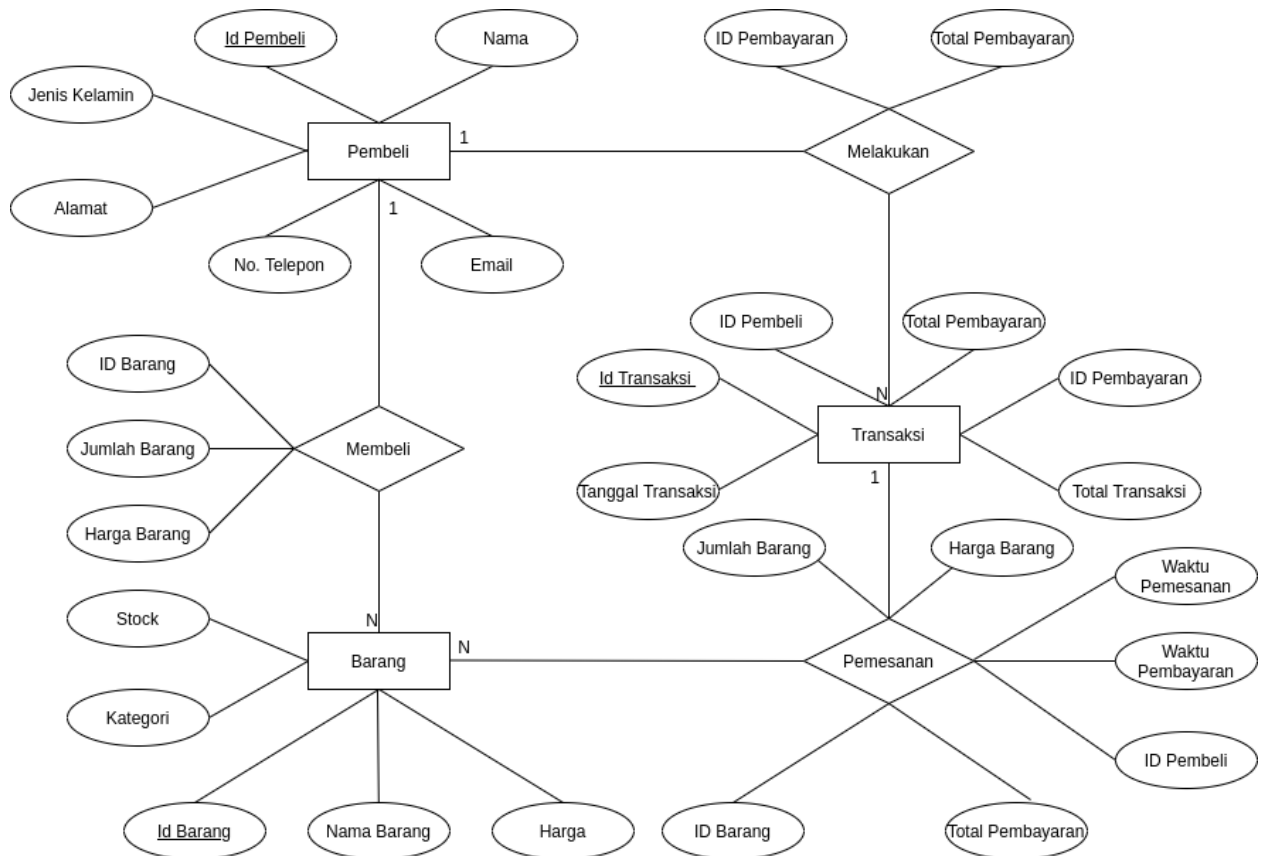# SQL

Department stores need to analyze their customer, because of that the system needs to store the customer data buying behavior. So, department stores need to collect customer data, transaction data, and also the product data.

Task

1. Please create ERD for the flow above.

2. Please create query to get best seller product for male and female.

```
SELECT Produk, Jenis Kelamin, Jumlah Barang
FROM Pembeli AS P
        FULL JOIN
        Pemesanan AS p
        ON P.Id Pembeli = p.ID Pembeli
        FULL JOIN
        Membeli AS M
        ON p.ID Barang = M.ID Barang
GROUP BY Jenis Kelamin
ORDER BY SUM(Jumlah Barang)
```

3. Please create query to get customer that spends the most money.

```
SELECT ID Pembeli, Total Pembayaran
FROM Pemesanan
GROUP BY ID Pembeli
ORDER BY SUM(Total Pembayaran)
```

4. Please create query to show number of transactions for every hours.

```
SELECT ID Pembayaran, TIME(Tanggal Transaksi) AS time
FROM Transaksi
GROUP BY time
```