## Tabel Relasional

*Relational Table*

**JeNT**

**JeNT** is one of the largest logistic distribution companies in Indonesia with hundreds of branches across the country. **JeNT** offers several different delivery type services which varies in delivery time, and prices. Furthermore, each **JeNT** **customer** can send their packages to **multiple destinations** in a single transaction as long as they have the same origin and each transaction is handled by a **staff**.

Diagram

Description automatically generated

Figure ERD

## Soal

*Case*

1. **Create** a **view** named ‘**ViewDeliveryTypeInformation**’ to display **DeliveryTypeId**, **DeliveryTypeName**, **DeliveryTypePrice** for every **delivery type** which **price** is **between 50000** **and 65000**.

(**CREATE VIEW, BETWEEN**)

Text

Description automatically generated

1. Display **StaffId**, **StaffName**, **StaffAddress**, **StaffSalary** for every staff who had served any **transaction** on **8th month** (August).

(**IN, MONTH**)

![Table

Description automatically generated with medium confidence]()

1. Display **CustomerId**, **CustomerName**, **CustomerDOB**, and **Number of Transactions** (obtained from the **number of transactions occurred** each customer) for every customer who has done any **transaction at least 7 days before 17th August 2021**. **After that**, combine that result with **CustomerId**, **CustomerName**, **CustomerDOB**, and **Number of Transactions** (obtained from the **number of transactions occurred** each customer) for every customer whose **length name** **is more than 6 characters**.

(**COUNT, DATEDIFF, DAY, LEN, UNION, GROUP BY**)

![Table

Description automatically generated]()

1. Display **TransactionId**, **Total Amount** (obtained from the total amount price of delivery type price), and **TransactionDate** for every transaction with **delivery type name at least 2 words** and **occurred before 1st August 2021**.

(**SUM, JOIN, LIKE, DATEDIFF, DAY, GROUP BY**)

![Table

Description automatically generated]()

1. Display **TransactionId**, **Transaction Date** (obtained from **transaction date** in ‘**Mon dd, yyyy**’ format), and **Package Origin** (obtained from the **uppercase** of the **first 3 letters** in the **CityName**) for every transaction that **delivery type price less than the average all of delivery type price** and the **city name** **contains** ‘**Java**’.

(**CONVERT, UPPER, SUBSTRING, AVG, alias subquery**)

![Text

Description automatically generated]()