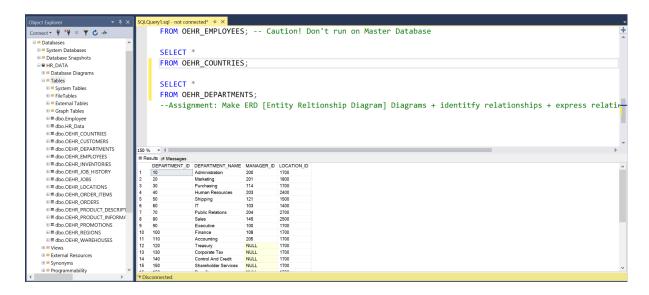
# Assignment 1 - DMV

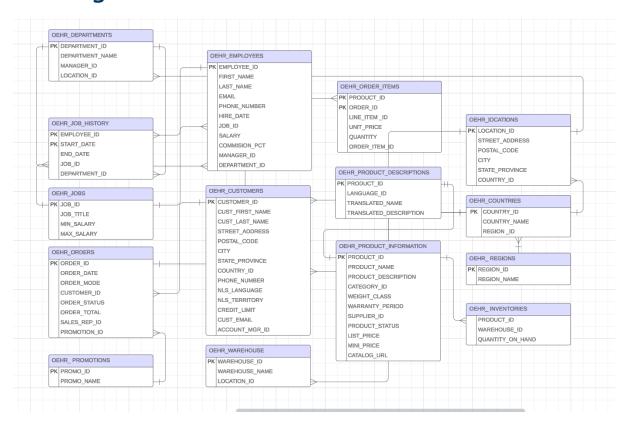
# Entity Relationship Diagram / Data Export in SQL Server

By: Shayan Anwar 27027

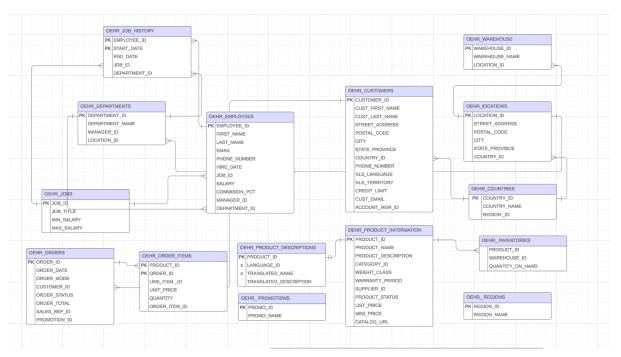
# Data Load



# ER Diagram



https://lucid.app/lucidchart/1f87644d-91a5-4002-a1bf-20429bff2989/edit?viewport\_loc=-1656 %2C-260%2C2338%2C1299%2C0 0&invitationId=inv f76406eb-989f-4eb6-bb10-40ba8be6 55b5



With just primary keys

#### 1. OEHR JOB HISTORY:

- **Primary Key:** `EMPLOYEE\_ID`, `START\_DATE`.
- Foreign Keys: `JOB\_ID`, `DEPARTMENT\_ID` can be foreign keys for `OEHR\_JOBS` and `OEHR\_DEPARTMENTS`

# 2. OEHR\_EMPLOYEES:

- Primary Key: `EMPLOYEE\_ID`.
- Foreign Keys: `JOB\_ID`, `MANAGER\_ID`, `DEPARTMENT\_ID` can be foreign keys for `OEHR\_JOBS`, `and `OEHR\_DEPARTMENTS`

#### 3. OEHR\_DEPARTMENTS:

- **Primary Key:** `DEPARTMENT\_ID`.
- Foreign Keys: `MANAGER\_ID` and `LOCATION\_ID` can help in linking with `OEHR\_EMPLOYEES` and `OEHR\_LOCATIONS`.

#### 4. OEHR JOBS:

Primary Key: `JOB\_ID` can be linked with tables having JOB\_ID such as 'OEHR\_EMPLOYEE'

# 5. OEHR\_ORDERS:

- **Primary Key:** `ORDER\_ID`.
- Foreign Keys: `CUSTOMER\_ID` and `PROMOTION\_ID` can help bridge up with `OEHR\_CUSTOMERS` and `OEHR\_PROMOTIONS`, respectively.

# 6. OEHR ORDER ITEMS:

- **Primary Key:** `ORDER\_ID`, `ORDER\_ITEM\_ID`.
- Foreign Key: `PRODUCT\_ID` creates a many-to-one relationship between 'OEHR\_ORDER\_ITEMS' and `OEHR\_PRODUCT\_INFORMATION`.

# 7. OEHR\_LOCATIONS:

- Primary Key: `LOCATION\_ID`.
- Foreign Keys: `COUNTRY\_ID` helps in creating a many to 1 relation between the 'OEHR\_LOCATIONS' and `OEHR\_COUNTRIES`.

#### 8. OEHR COUNTRIES:

- Primary Key: `COUNTRY\_ID`.
- Foreign Keys: `REGION\_ID` creates a many to one relation with `OEHR\_REGIONS`.

#### 9. OEHR REGIONS:

• Primary Key: `REGION\_ID`

# 10. OEHR\_CUSTOMERS:

- Primary Key: `CUSTOMER\_ID`.
- Foreign Keys: `COUNTRY\_ID` reference `OEHR\_COUNTRIES`

#### 11. OEHR\_WAREHOUSE:

- **Primary Key:** `WAREHOUSE\_ID`.
- Foreign Key: `LOCATION\_ID` helps connect with `OEHR\_LOCATIONS` in a many to one relation.

#### 12. OEHR PRODUCT INFORMATION:

- Primary Key: `PRODUCT\_ID`.
- Foreign Keys: Not Available. 'PRODUCT IF' itself is used as a foreign key with respect to other tables.

### 13. OEHR\_INVENTORIES:

- Primary Key: No Primary key in here by we can make composite by →`PRODUCT\_ID +
  WAREHOUSE\_ID`.
- Foreign Keys: `PRODUCT\_ID` and `WAREHOUSE\_ID` can help connect the table with `OEHR\_PRODUCT\_INFORMATION` and `OEHR\_WAREHOUSE`, respectively.

# 14. OEHR\_PROMOTIONS:

Primary Key: `PROMO\_ID`

# 15. OEHR\_PRODUCT\_DESCRIPTIONS:

- Primary Key: `PRODUCT\_ID`
- Foreign Key: `PRODUCT\_ID` rcan connect with other tables such as `OEHR\_PRODUCT\_INFORMATION`. The relationship between these tables is 1 to 1.