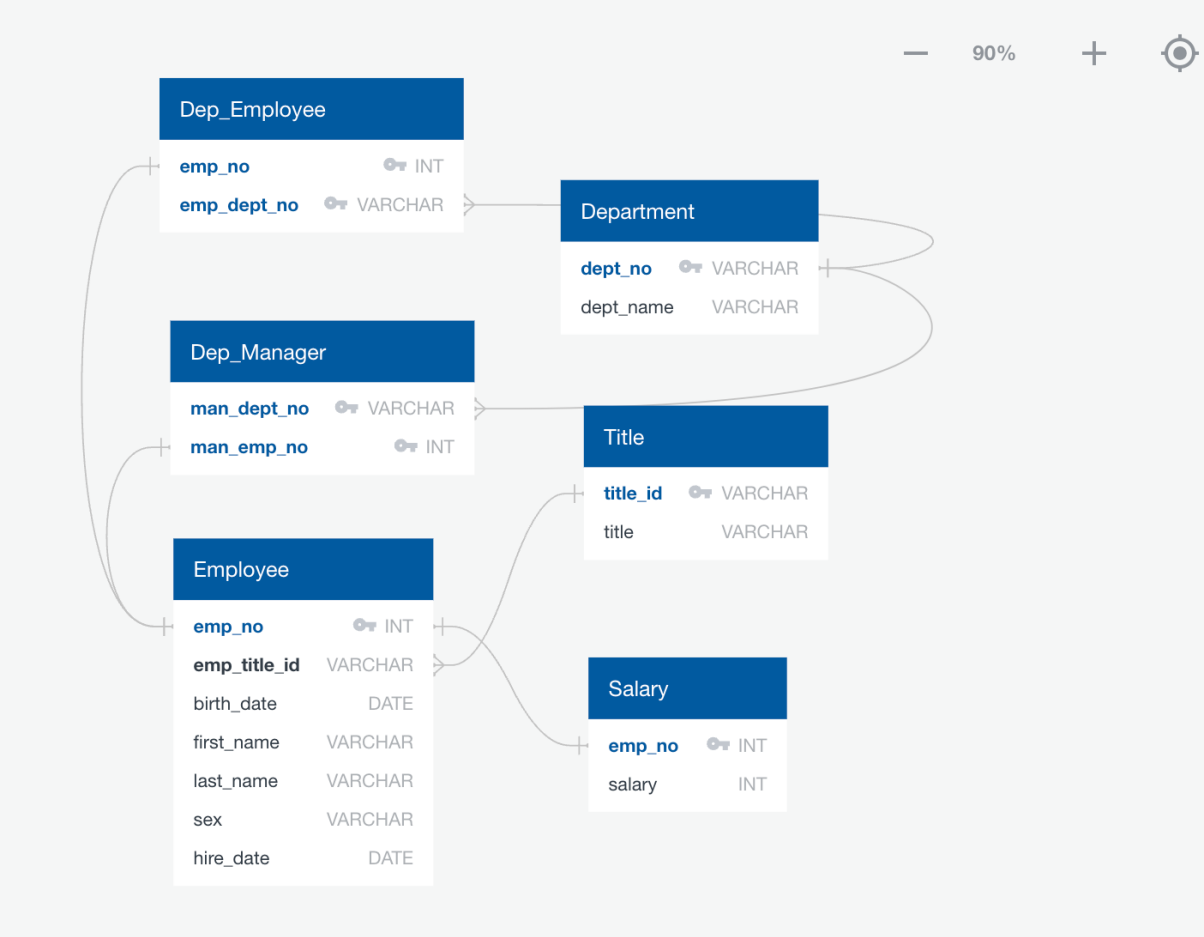
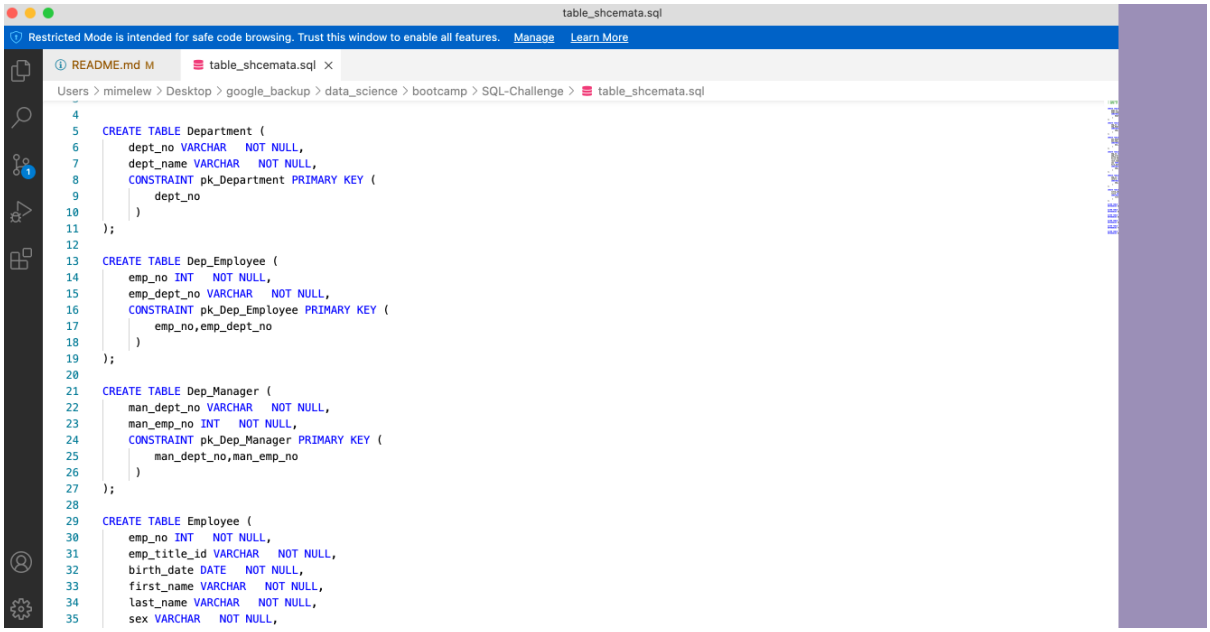
Project Summary

In this project, I conducted the full process of data engineering/modelling.

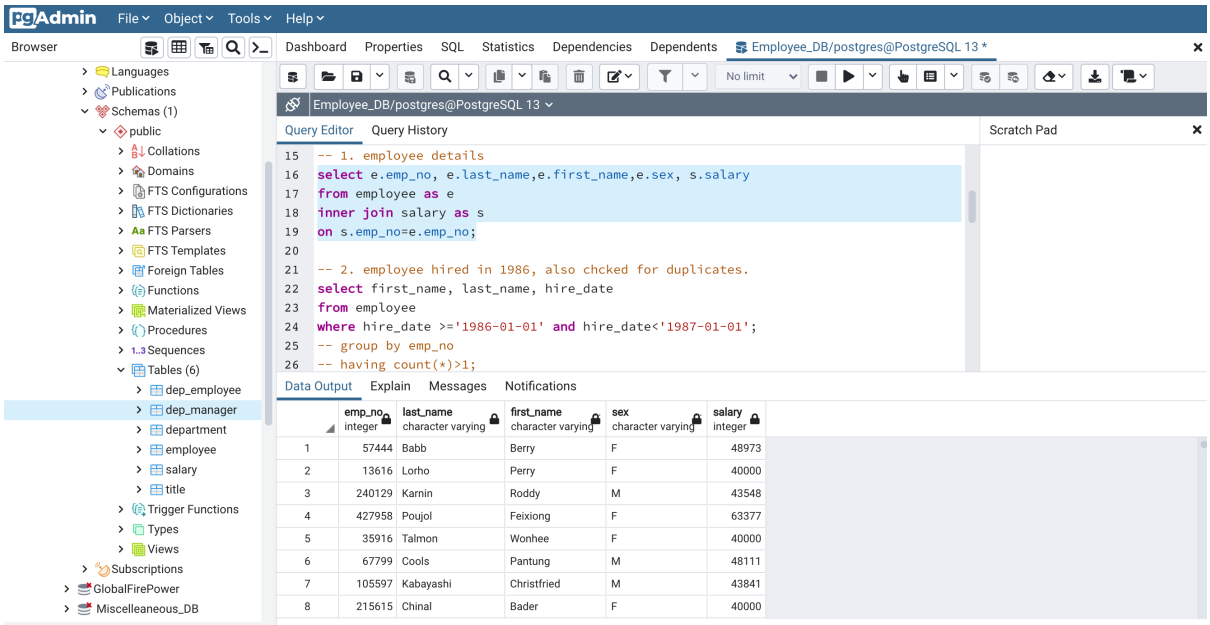
First of all, with all the seperated tables with employer information, I created a DBD chart to inform the realtions between all the seperated tables that hosted different type of employee data.

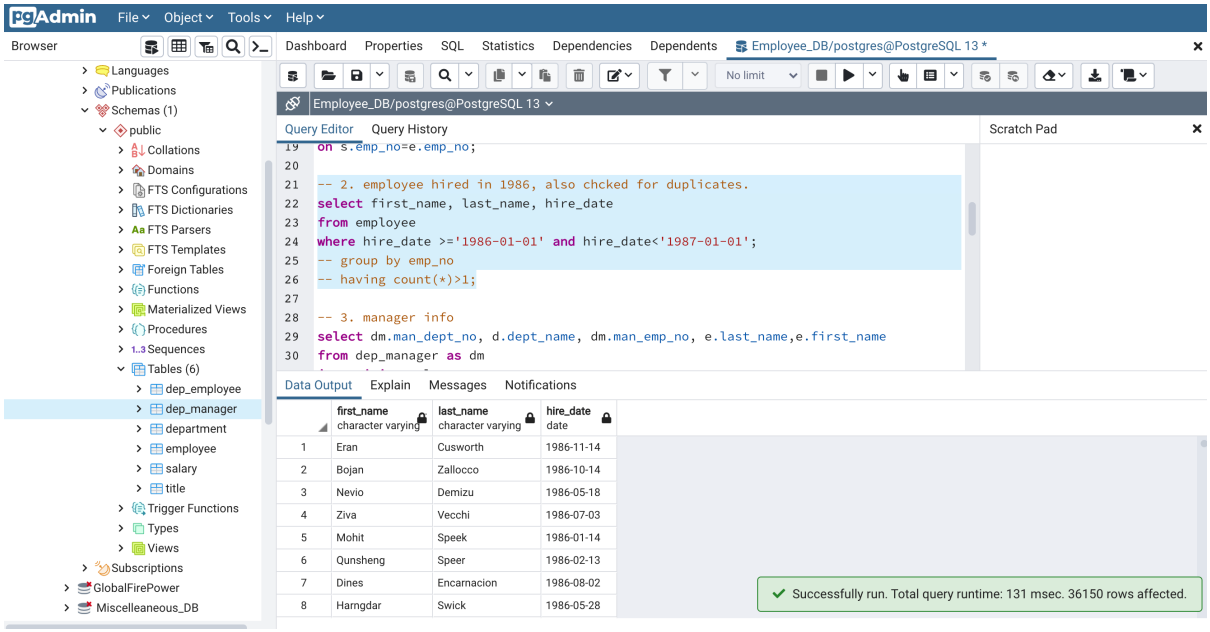


Second, I wrote schemas to create a databate that could house all the tables, named employee_DB.



Third, with the DND, I was able to make queries to different tables in the database through manipulation, such as joining, filtering etc, to retrieve data I need. I can also create a new table to house these filtered data if required in the future.




pgAdmin
File
Object
Tools
Help
Browser
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Employee_DB/postgres@PostgreSQL 13 *
No limit
Languages
Publications
Schemas (1)
public
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Procedures
Sequences
Tables (6)
dep_employee
dep_manager
department
employee
salary
title
Trigger Functions
Types
Views
Subscriptions
GlobalFirePower
Miscelleaneous_DB
Employee_DB/postgres@PostgreSQL 13
Query Editor
Query History
Scratch Pad
on s.emp_no=e.emp_no;
-- 2. employee hired in 1986, also chcked for duplicates.
select first_name, last_name, hire_date
from employee
where hire_date >='1986-01-01' and hire_date<'1987-01-01';
-- group by emp_no
-- having count(*)>1;
-- 3. manager info
select dm.man_dept_no, d.dept_name, dm.man_emp_no, e.last_name,e.first_name
from dep_manager as dm
Data Output
Explain
Messages
Notifications
first_name character varying
last_name character varying
hire_date date
1 Eran Cusworth 1986-11-14
2 Bojan Zallocco 1986-10-14
3 Nevio Demizu 1986-05-18
4 Ziva Vecchi 1986-07-03
5 Mohit Speek 1986-01-14
6 Qunsheng Speer 1986-02-13
7 Dines Encarnacion 1986-08-02
8 Harngdar Swick 1986-05-28
Successfully run. Total query runtime: 131 msec. 36150 rows affected.