**Installing** and connecting postgre sql

Pip install sqlalchemy

Pip install psycopg2

**Importing** lib

from sqlalchemy import create\_engine

from sqlalchemy.engine import URL

import pandas as pd

user = ‘your\_username’

password = ‘password’

host = ‘local host’

port = 5433

database = ‘database\_name’

CREATE USER tanmaie WITH PASSWORD 'password@12';

CREATE DATABASE db\_1 OWNER tanmaie

GRANT ALL privileges of database db\_1 to tanmaie

psql -U tanmaie -d db\_1 -h localhost -p 5433

psql -U tanmaie -d db\_1 -h localhost -p 5433

psql -U postgres -h localhost -p 5433

python

loc, iloc

loc – label based

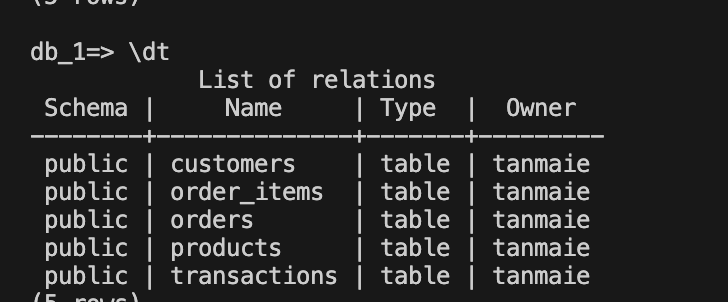
iloc – integer based

describe()

.isin()

Unique()

Mean()



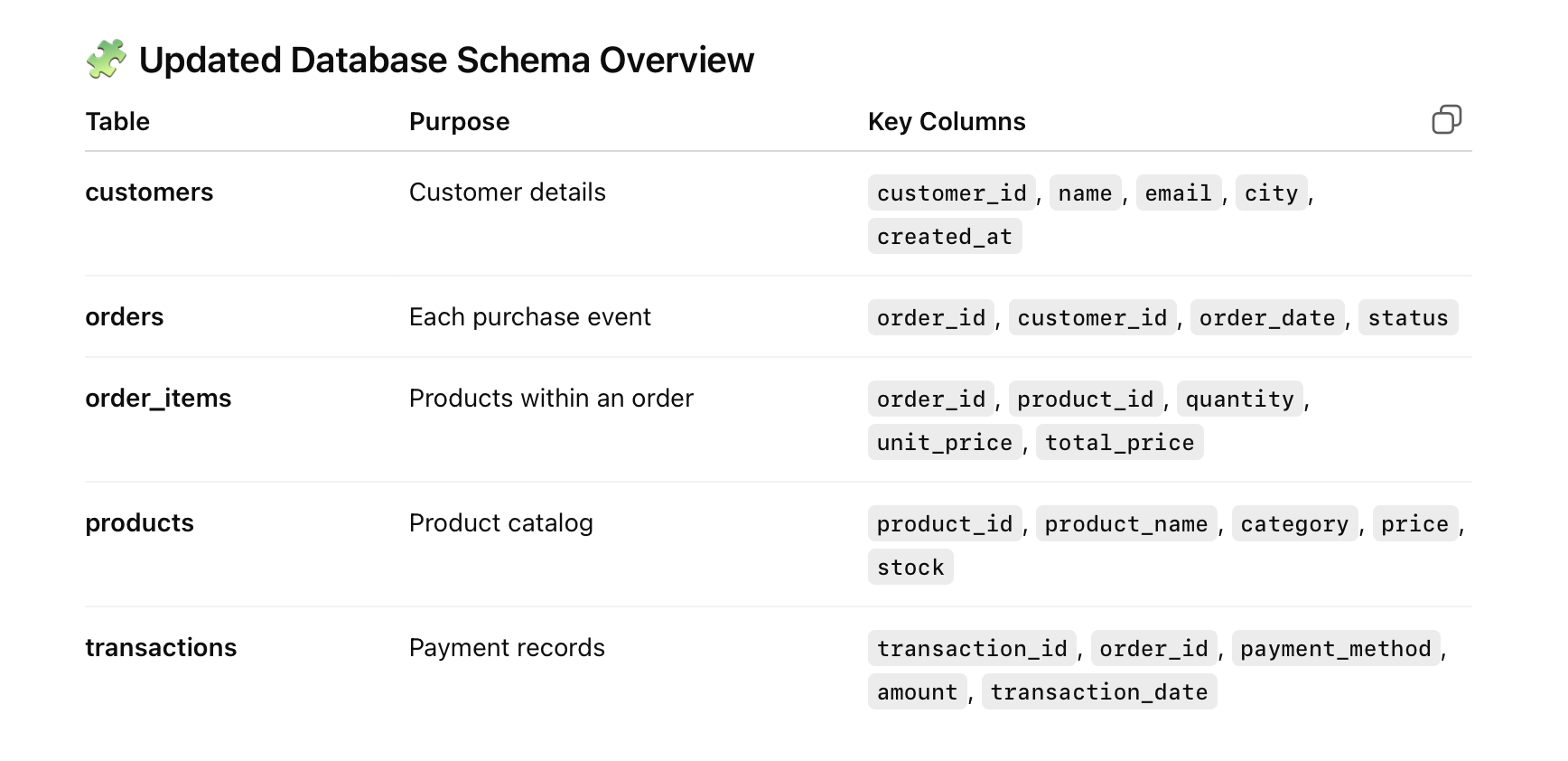
\dt – shows all the databases

\q – quit

\d – to inspect

\i path to file

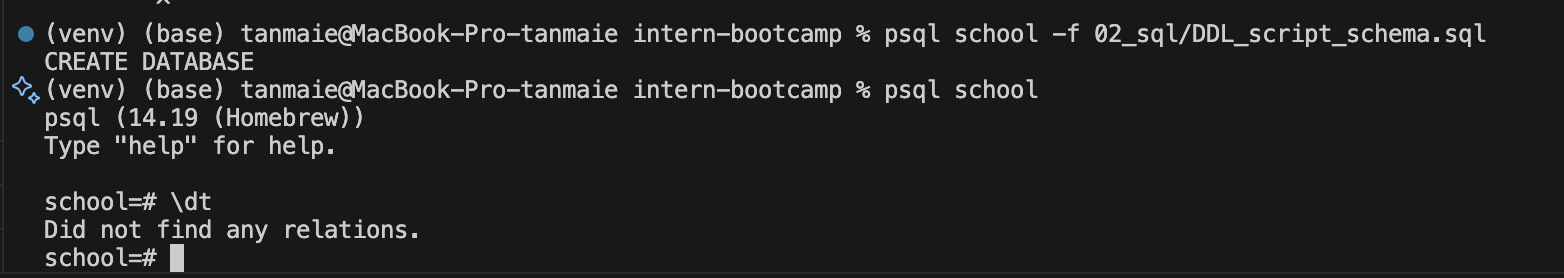
02\_sql/01\_sql\_select.sql



(venv) (base) tanmaie@MacBook-Pro-tanmaie intern-bootcamp **% createdb school**

(venv) (base) tanmaie@MacBook-Pro-tanmaie intern-bootcamp % **psql school -f 02\_sql/DDL\_script\_schema.sql**

(venv) (base) tanmaie@MacBook-Pro-tanmaie intern-bootcamp % **psql school**

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**CREATE TABLE STUDENTS(**

**STUDENT\_ID INT,**

**NAME VARCHAR(100),**

**AGE INT,**

**COURSE\_ID INT,**

**PHONE\_NUMBER INT);**

**CREATE TABLE COURSES(**

**COURSE\_ID INT,**

**COURSE NAME**

**);**

**CREATE TABLE ENROLLED(**

**COURSE\_ID INT,**

**STUDENT\_ID INT,**

**COURSE\_NAME VARCHAR(100),**

**FACULTY\_NAME VARCHAR(100) );**