Andres Hung, Jennessa Sierra CMPS1171 Quiz 3

1.


```
10:01 andreshung[AHM1A] q3_andres_hung_jennessa_sierra git(main) % psql -d postgres -U postgres
Password for user postgres:
Null display is "[null]".
psql (16.2 (Homebrew))
Type "help" for help.

[local]:5432 postgres@postgres=# CREATE DATABASE week7;
CREATE DATABASE
[local]:5432 postgres@postgres=# CREATE ROLE week7 WITH LOGIN PASSWORD 'week7';
CREATE ROLE
[local]:5432 postgres@postgres=# \c week7
You are now connected to database "week7" as user "postgres".
[local]:5432 postgres@week7=# GRANT ALL PRIVILEGES ON SCHEMA public TO week7;
GRANT
[local]:5432 postgres@week7=# \c week7 week7
Password for user week7:
You are now connected to database "week7" as user "week7".
[local]:5432 week7@week7=>
```



```
[local]:5432 week7@week7=> \i solution.sql
psql:solution.sql:4: NOTICE:  table "book_author" does not exist, skipping
DROP TABLE
psql:solution.sql:6: NOTICE:  table "book" does not exist, skipping
DROP TABLE
CREATE TABLE
psql:solution.sql:15: NOTICE:  table "author" does not exist, skipping
DROP TABLE
CREATE TABLE
INSERT 0 5
INSERT 0 5
[local]:5432 week7@week7=> SELECT *
[local]:5432 week7@week7-> FROM book;
 id |            title            |   isbn    | page_count | publication_date
----+-----------------------------+-----------+------------+------------------
  1 | Database Processing         | 123456789 |        670 | 2023-09-12
  2 | A+ Computer Repair          | 987654321 |        505 | 2022-10-11
  3 | C++ How to Program          | 997755331 |        644 | 2021-11-29
  4 | Intro to Computer Science   | 554632231 |        893 | 2021-01-01
  5 | Learn PostgreSQL 16         | 667785343 |        430 | 2023-12-07
(5 rows)

[local]:5432 week7@week7=> SELECT *
[local]:5432 week7@week7-> FROM author;
 id | first_name | last_name
----+------------+-----------
  1 | David      | Kroenke
  2 | Sally      | Gates
  3 | Jorge      | Martinez
  4 | George     | Kalos
  5 | Randall    | Smith
(5 rows)

[local]:5432 week7@week7=>
```

2. and 3.

```
[local]:5432 week7@week7=> \i solution.sql
CREATE TABLE
INSERT 0 8
[local]:5432 week7@week7=> SELECT *
[local]:5432 week7@week7-> FROM book_author;
 id | book_id | author_id
----+---------+-----------
  1 |       1 |         1
  2 |       1 |         2
  3 |       2 |         2
  4 |       3 |         3
  5 |       3 |         4
  6 |       3 |         5
  7 |       4 |         4
  8 |       5 |         5
(8 rows)

[local]:5432 week7@week7=>
```

4.

```
[local]:5432 week7@week7=> \i solution.sql
        book_title         | author_first_name | author_last_name
---------------------------+-------------------+------------------
 Database Processing        | David             | Kroenke
 Database Processing        | Sally             | Gates
 A+ Computer Repair         | Sally             | Gates
 C++ How to Program         | Jorge             | Martinez
 C++ How to Program         | George            | Kalos
 C++ How to Program         | Randall           | Smith
 Intro to Computer Science  | George            | Kalos
 Learn PostgreSQL 16        | Randall           | Smith
(8 rows)

[local]:5432 week7@week7=>
```

5.

```
[local]:5432 week7@week7=> \i solution.sql
psql:solution.sql:70: NOTICE:  table "student" does not exist, skipping
DROP TABLE
CREATE TABLE
INSERT 0 3
psql:solution.sql:84: NOTICE:  table "grade" does not exist, skipping
DROP TABLE
CREATE TABLE
INSERT 0 6
 max_gender
------------
          2
(1 row)

[local]:5432 week7@week7=>
```