

#1

```
jsierra@ubuntu in q3_jennessasierra_andreshung on P main [!~]
> psql week7 week7
Password for user week7:

Welcome to PostgreSQL!

Null display is "[null]".
Expanded display is used automatically.

Type \q to exit.

psql (14.10 (Ubuntu 14.10-0ubuntu0.22.04.1))
Type "help" for help.

[local]:5432 week7@week7=> \i solution.sql
psql:solution.sql:9: NOTICE: table "book" does not exist, skipping
DROP TABLE
CREATE TABLE
psql:solution.sql:18: NOTICE: table "author" does not exist, skipping
DROP TABLE
CREATE TABLE
INSERT 0 5
INSERT 0 5
[local]:5432 week7@week7=> SELECT *
[local] week7@week7-> FROM book;
 id | title | isbn | page_count | publication_date
-----+-----+-----+-----+-----
 1 | Introduction to Data Processing | 9780743273565 | 180 | 1925-04-10
 2 | How to Program C++ | 9780061120084 | 281 | 1960-07-11
 3 | CompTIA A+ Certification | 9780451524935 | 328 | 1949-06-08
 4 | Hardware Fundamentals | 9780141439518 | 432 | 1813-01-28
 5 | The All-In-One Study Guide | 9780316769488 | 277 | 1951-07-16
(5 rows)

[local]:5432 week7@week7=> SELECT *
[local] week7@week7-> FROM author;
 id | first_name | last_name
-----+-----+-----
 1 | Sally | Richards
 2 | Cheryl | Jones
 3 | George | Johnson
 4 | Jane | Anderson
 5 | Jennifer | Smith
(5 rows)

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

#2-3

```
[local]:5432 week7@week7=> \i solution.sql
psql:solution.sql:6: NOTICE: table "book_author" does not exist, skipping
DROP TABLE
CREATE TABLE
INSERT 0 10
[local]:5432 week7@week7=> SELECT *
[local] week7@week7-> FROM book_author;
 id | book_id | author_id
-----+-----+-----
 1 | 1 | 1
 2 | 1 | 2
 3 | 2 | 3
 4 | 2 | 4
 5 | 3 | 1
 6 | 3 | 4
 7 | 4 | 5
 8 | 4 | 5
 9 | 5 | 1
10 | 5 | 3
(10 rows)

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

#4

```
Terminal
[local]:5432 week7@week7=> \i solution.sql
      title | first_name | last_name
-----|-----|-----
Introduction to Data Processing | Sally | Richards
Introduction to Data Processing | Cheryl | Jones
How to Program C++ | George | Johnson
How to Program C++ | Jane | Anderson
CompTIA A+ Certification | Sally | Richards
CompTIA A+ Certification | Jane | Anderson
Hardware Fundamentals | Jennifer | Smith
Hardware Fundamentals | Cheryl | Jones
The All-In-One Study Guide | Sally | Richards
The All-In-One Study Guide | George | Johnson
(10 rows)

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

#5

```
Terminal
[local]:5432 week7@week7=> \i solution.sql
psql:solution.sql:71: NOTICE:  table "student" does not exist, skipping
DROP TABLE
CREATE TABLE
INSERT 0 3
psql:solution.sql:85: NOTICE:  table "grade" does not exist, skipping
DROP TABLE
CREATE TABLE
INSERT 0 6
max_gender
-----
2
(1 row)

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