

Andres Hung, Jennessa Sierra

PART A

1.

```
[local]:5432 postgres@postgres=# \i solution_a.sql
DROP DATABASE
CREATE DATABASE
DROP ROLE
CREATE ROLE
[local]:5432 postgres@postgres=# \c music
You are now connected to database "music" as user "postgres".
[local]:5432 postgres@music=# GRANT ALL PRIVILEGES ON SCHEMA PUBLIC TO music;
GRANT
[local]:5432 postgres@music=# \c music music
Password for user music:
You are now connected to database "music" as user "music".
[local]:5432 music@music=>
```

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[local]:5432 music@music=> \i solution_a.sql
psql:solution_a.sql:15: NOTICE: drop cascades to constraint track_album_id_fkey on table track
DROP TABLE
CREATE TABLE
DROP TABLE
CREATE TABLE
ALTER TABLE
INSERT 0 3
INSERT 0 5
[local]:5432 music@music=> SELECT *
[local]:5432 music@music-> FROM album;
 id |      title
-----+-----
  1 | Queen of The Night
  2 | Jiminy
  3 | Waterfall
(3 rows)

[local]:5432 music@music=> SELECT *
[local]:5432 music@music-> FROM track;
 id | title | len | album_id
-----+-----+-----+-----
  1 | Babylon | 4 | 1
  2 | Downpour | 3 | 1
  3 | Bark Skinspon | 2 | 2
  4 | Vulture | 7 | 2
  5 | Rule #18 - Lion | 3 | 3
(5 rows)

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

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```

[local]:5432 music@music=> \i solution_a.sql
  album_title | track_title | len
-----+-----+-----
Queen of The Night | Babylon | 4
Queen of The Night | Downpour | 3
Jiminy | Bark Skimpson | 2
Jiminy | Vulture | 7
Waterfall | Rule #18 - Lion | 3
(5 rows)

[local]:5432 music@music=> \q
10:29 andreshung[AHMA] q2_andres_hung_jennessa_sierra git(main) %

```

PART B

1

```

9:56 andreshung[AHMA] q2_andres_hung_jennessa_sierra git(main) % psql week5 week5
Password for user week5:
Null display is "[null]".
psql (16.1 (Homebrew))
Type "help" for help.

[local]:5432 week5@week5=> \i code.sql
psql:code.sql:2: NOTICE: table "lecturer" does not exist, skipping
DROP TABLE
CREATE TABLE
psql:code.sql:11: NOTICE: table "course" does not exist, skipping
DROP TABLE
CREATE TABLE
INSERT 0 4
INSERT 0 13
 first_name | last_name | name
-----+-----+-----
Joseph | Suggs | Algorithms
Joseph | Suggs | Fundamentals of Computing
Josh | Sullivan | Fundamentals of Computing
Jill | Sosa | Fundamentals of Computing
Jane | Smith | Fundamentals of Computing
Josh | Sullivan | Introduction to Databases
Jane | Smith | Introduction to Databases
Josh | Sullivan | Principles of Programming 1
Jill | Sosa | Principles of Programming 1
Jane | Smith | Principles of Programming 1
Jill | Sosa | Principles of Programming 2
Jane | Smith | Principles of Programming 2
Jill | Sosa | Web Development
(13 rows)

 first_name | last_name | name
-----+-----+-----
Jane | Smith | Introduction to Databases
Jane | Smith | Principles of Programming 1
Jane | Smith | Principles of Programming 2
Jill | Sosa | Web Development

```

2, 3, 4

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[local]:5432 week5@week5-> \i solution_b.sql
name | count
-----
Web Development | 1
Algorithms | 1
(2 rows)

first_name | last_name | number_of_courses
-----
Jill | Sosa | 4
Joseph | Suggs | 2
Josh | Sullivan | 3
Jane | Smith | 4
(4 rows)

first_name | last_name | name | name | name
-----
Jill | Sosa | Principles of Programming 1 | Principles of Programming 2 | Web Development
(1 row)

[local]:5432 week5@week5-> 
```