

## PART A:

1.

```
jsierra@ubuntu: ~/ub-bint/2023-2/cmps1171/quizzes/q2_jennessasierra_andreshung
jsierra@ubuntu:~/ub-bint/2023-2/cmps1171/quizzes/q2_jennessasierra_andreshung$ sudo
-u postgres psql
Password for user postgres:
psql (14.10 (Ubuntu 14.10-0ubuntu0.22.04.1))
Type "help" for help.

postgres=# \i solution_a.sql
DROP DATABASE
CREATE DATABASE
DROP ROLE
CREATE ROLE
postgres=# \c music music
Password for user music:
You are now connected to database "music" as user "music".
music=>
```

2 - 5.

```
jsierra@ubuntu: ~/ub-bint/2023-2/cmps1171/quizzes/q2_jennessasierra_andreshung
music=> \i solution_a.sql
psql:solution_a.sql:12: 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
music=> SELECT *
music-> FROM album;
 id | title
-----+-----
  1 | The Wall
  2 | The Dark Side of the Moon
  3 | The Final Cut
(3 rows)

music=> SELECT *
music-> FROM track;
 id | title | len | album_id
-----+-----+-----+-----
  1 | Another Brick in the Wall | 3 | 1
  2 | The Great Gig in the Sky | 3 | 2
  3 | How I Wish You Were Here | 4 | 2
  4 | Comfortably Numb | 5 | 1
  5 | The Final Cut | 3 | 3
(5 rows)
music=>
```

6.

```
jsierra@ubuntu: ~/ub-bint/2023-2/cmps1171/quizzes/q2_jennessasierra_andreshung
music=> \i solution_a.sql
      album_title      |      track_title      | len
-----+-----+-----
The Wall               | Another Brick in the Wall | 3
The Dark Side of the Moon | The Great Gig in the Sky | 3
The Dark Side of the Moon | How I Wish You Were Here | 4
The Wall               | Comfortably Numb         | 5
The Final Cut          | The Final Cut            | 3
(5 rows)

music=> \q
jsierra@ubuntu:~/ub-bint/2023-2/cmps1171/quizzes/q2_jennessasierra_andreshung$
```

## PART B:

1.

```
jsierra@ubuntu: ~/ub-bint/2023-2/cmps1171/quizzes/q2_jennessasierra_andreshung
jsierra@ubuntu:~/ub-bint/2023-2/cmps1171/quizzes/q2_jennessasierra_andreshung$ psql week5 week5
Password for user week5:
psql (14.10 (Ubuntu 14.10-0ubuntu0.22.04.1))
Type "help" for help.

week5=> \i code.sql
psql:code.sql:2: NOTICE: drop cascades to constraint course_lecturer_id_fkey on table course
DROP TABLE
CREATE TABLE
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
Jill        | Sosa      | Principles of Programming 1
```

2 - 4.

```
jsierra@ubuntu: ~/ub-bint/2023-2/cmps1171/quizzes/q2_jennesssierra_andreshung
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 Progammig 1 | Principles of Progammig 2 | Web Development
(1 row)

week5=>
```