-- CREATE TABLE regions

--  ( region\_id INT(3) PRIMARY KEY,

--    region\_name VARCHAR(25)

--  );

-- DROP TABLE regions;

 DROP TABLE IF EXISTS member;

 CREATE TABLE member

  ( id SERIAL PRIMARY KEY,

    name VARCHAR(40),

    card\_number CHAR(10)

    );

DROP TABLE IF EXISTS book;

CREATE TABLE book

  ( -- id int(10) NOT NULL PRIMARY KEY AUTO\_INCREMENT,

    id SERIAL PRIMARY KEY,

      title VARCHAR(60),

      author VARCHAR(60),

      checked\_out\_by\_id INT REFERENCES member(id)

    );

INSERT INTO member ( name, card\_number ) VALUES ( 'Annabelle Aster', '772-93-110');

INSERT INTO member ( name, card\_number ) VALUES ( 'Boris Berceli', '000-00-000');

INSERT INTO member ( name, card\_number ) VALUES ( 'Carter Corbin', '282-09-382');

INSERT INTO book ( title, author, checked\_out\_by\_id) VALUES ( 'In Search of Lost Time', 'Marcel Proust', 1);

INSERT INTO book ( title, author, checked\_out\_by\_id) VALUES ( 'Ulysses', 'James Joyce', 1);

INSERT INTO book ( title, author, checked\_out\_by\_id) VALUES ( 'Don Quixote', 'Miguel de Cervantes', 3);

INSERT INTO book ( title, author, checked\_out\_by\_id) VALUES ( 'Moby Dick', 'Herman Melville', null);

-- Update the member with the id of 2 to have a card number of “357-15-964”.

SET SQL\_SAFE\_UPDATES=0;

UPDATE member SET card\_number='357-15-964' WHERE id =2 ;

SET SQL\_SAFE\_UPDATES=1;

-- Remove the member with the id of 2.

DELETE FROM member WHERE id =2;

-- Select all members that have the card number 772-93-110.

SELECT \* FROM member WHERE card\_number = '772-93-110';

-- Select all books sorted by title

SELECT \* FROM book ORDER BY title;

-- Annabelle checked out another book… Update Moby Dick to be checked out by Annabelle.

SET SQL\_SAFE\_UPDATES=0;

UPDATE book SET checked\_out\_by\_id=1 WHERE title = 'Moby Dick' ;

SET SQL\_SAFE\_UPDATES=1;

-- Annabelle turned in a book… Update Ulysses to be checked out by no one (null).

SET SQL\_SAFE\_UPDATES=0;

UPDATE book SET checked\_out\_by\_id = null WHERE title = 'Ulysses';

SET SQL\_SAFE\_UPDATES=0;

-- Write a JOIN that lists all the books and who they’re checked out to. Include the books that are not checked out.

-- SELECT book.title, member.name       // this will show only 2 columns

-- FROM book

-- INNER JOIN member

-- ON book.id = member.id;     // should have been --> book.checked\_out\_by\_id

SELECT \*

FROM book

LEFT JOIN member

ON book.checked\_out\_by\_id=member.id;

-- Write a JOIN that lists the titles of all the books that are checked out to someone named Annabelle Aster (don't just use the ID)

SELECT book.title

FROM book

JOIN  member

ON book.checked\_out\_by\_id = member.id WHERE member.name='Annabelle Aster';

-- Write a JOIN that lists the name and card number of all members who have checked out books by the author Herman Melville.

SELECT member.name, member.card\_number

FROM member

JOIN book

ON book.checked\_out\_by\_id = member.id WHERE book.author = 'Herman Melville';

-- or

SELECT member.name, member.card\_number

FROM book

JOIN member

ON book.checked\_out\_by\_id = member.id WHERE book.author = 'Herman Melville';