***Query: Create 5 different users: Jane Amsden, Emily Dixon, Theodore Dostoevsky, William Shapiro, Lao Xiu***

*INSERT INTO users(first\_name, last\_name) VALUES ("Jane","Amsden");*

*INSERT INTO users(first\_name, last\_name) VALUES ("Emily","Dixon");*

*INSERT INTO users(first\_name, last\_name) VALUES ("Theodore","Dostevsky");*

*INSERT INTO users(first\_name, last\_name) VALUES ("William","Shapiro");*

*INSERT INTO users(first\_name, last\_name) VALUES ("Lao","Xiu");*

***Query: Create 5 books with the following names: C Sharp, Java, Python, PHP, Ruby***

*INSERT INTO books (title, num\_of\_pages) VALUEzS ("C#",275);*

*INSERT INTO books (title, num\_of\_pages) VALUES ("Java",375);*

*INSERT INTO books (title, num\_of\_pages) VALUES ("Python",425);*

*INSERT INTO books (title, num\_of\_pages) VALUES ("PHP",315);*

*INSERT INTO books (title, num\_of\_pages) VALUES ("Ruby",257);*

***Query: Change the name of the C Sharp book to C#***

*UPDATE books SET title = "C#" WHERE id = 2;*

***Query: Change the first name of the 4th user to Bill***

*UPDATE users SET first\_name = "Bill" WHERE id = 4;*

***Query: Have the first user favorite the first 2 books***

*INSERT INTO favorites (user\_id, book\_id) VALUES (1,2);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (1,3);*

***Query: Have the second user favorite the first 3 books***

*INSERT INTO favorites (user\_id, book\_id) VALUES (2,2);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (2,3);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (2,4);*

***Query: Have the third user favorite the first 4 books***

*INSERT INTO favorites (user\_id, book\_id) VALUES (3,2);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (3,3);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (3,4);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (3,5);*

***Query: Have the fourth user favorite all the books***

*INSERT INTO favorites (user\_id, book\_id) VALUES (4,2);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (4,3);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (4,4);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (4,5);*

*INSERT INTO favorites (user\_id, book\_id) VALUES (4,6);*

***Query: Retrieve all the users who favorited the 3rd book***

*SELECT \* FROM books\_schema.users*

*JOIN favorites ON users.id = favorites.user\_id*

*JOIN books ON books.id = favorites.book\_id*

*where book\_id = 4;*

***Query: Remove the first user of the 3rd book's favorites***

*DELETE FROM users WHERE user\_id = 2;*

***Query: Have the 5th user favorite the 2nd book***

*INSERT INTO favorites (user\_id, book\_id) VALUES (5,3);*

***Find all the books that the 3rd user favorited***

*SELECT title FROM books\_schema.users*

*JOIN favorites ON users.id = favorites.user\_id*

*JOIN books ON books.id = favorites.book\_id*

*WHERE user\_id = 3;*

***Query: Find all the users that favorited to the 5th book***

*SELECT first\_name, last\_name FROM books\_schema.users*

*JOIN favorites ON users.id = favorites.user\_id*

*JOIN books ON books.id = favorites.book\_id*

*WHERE book\_id = 5;*