# Assignment: Friendships

USE friendships\_schema;

SELECT \* FROM users;

SELECT \* FROM friendships;

INSERT INTO users(first\_name, last\_name, created\_at, updated\_at)

VALUES('Amy', 'Giver', NOW(), NOW()),('Eli', 'Byers', NOW(), NOW()),('Marky', 'Mark', NOW(), NOW()),('Big', 'Bird', NOW(), NOW()),('Kermit', 'The Frog', NOW(), NOW()),('Yancie', 'Centeno', NOW(), NOW());

INSERT INTO friendships(user\_id, friend\_id, created\_at, updated\_at)

VALUES(7, 8, NOW(), NOW()),(7, 10, NOW(), NOW()),(7, 12, NOW(), NOW());

INSERT INTO friendships(user\_id, friend\_id, created\_at, updated\_at)

VALUES(8, 7, NOW(), NOW()),(8, 9, NOW(), NOW()),(8, 11, NOW(), NOW());

INSERT INTO friendships(user\_id, friend\_id, created\_at, updated\_at)

VALUES(9, 8, NOW(), NOW()),(9, 11, NOW(), NOW());

INSERT INTO friendships(user\_id, friend\_id, created\_at, updated\_at)

VALUES(10, 9, NOW(), NOW());

INSERT INTO friendships(user\_id, friend\_id, created\_at, updated\_at)

VALUES(11, 7, NOW(), NOW()),(11, 12, NOW(), NOW());

INSERT INTO friendships(user\_id, friend\_id, created\_at, updated\_at)

VALUES(12, 8, NOW(), NOW()),(12, 9, NOW(), NOW());

SELECT users.first\_name, users.last\_name, users2.first\_name as friend\_first\_name, users2.last\_name as friend\_last\_name FROM users

JOIN friendships ON users.id = friendships.user\_id

LEFT JOIN users as users2 ON users2.id = friendships.friend\_id;

SELECT users2.first\_name as first\_name, users2.last\_name as last\_name, users.first\_name as friends\_with FROM users

JOIN friendships ON users.id = friendships.user\_id

LEFT JOIN users as users2 ON users2.id = friendships.friend\_id

WHERE users.id = 7;

SELECT COUNT(\*) AS num\_of\_friendships FROM friendships;

SELECT user\_id, users.first\_name, users.last\_name, count(user\_id) as num\_of\_friends from friendships

JOIN users ON users.id = friendships.user\_id

GROUP BY user\_id

ORDER BY num\_of\_friends DESC

LIMIT 1;

SELECT users2.first\_name as first\_name, users2.last\_name as last\_name, users.first\_name as friends\_with FROM users

JOIN friendships ON users.id = friendships.user\_id

LEFT JOIN users as users2 ON users2.id = friendships.friend\_id

WHERE users.id = 9

ORDER BY first\_name;