friendships\_assignment

SELECT \* FROM users;

SELECT \* FROM friends;

SELECT \* FROM friendship;

-- create 6 users

INSERT users (first\_name,last\_name)

values ('Mike', 'Rowe'),('Bob', 'Ross'),('Robyn', 'Sparkles'),('Barney', 'Stinson'),('Julia', 'Child'),('Stephanie', 'Stevens');

-- user 1 friends with 2,4,6

INSERT friendship (user\_id , friend\_id)

values (1,2),(1,4),(1,6);

-- user 2 friends with 1,3,5

INSERT friendship (user\_id , friend\_id)

values (2,1),(2,3),(2,5);

-- user 3 friends with 2,5

INSERT friendship (user\_id , friend\_id)

values (3,2),(3,5);

-- user 4 friends with user 3

INSERT friendship (user\_id , friend\_id)

values (4,3);

-- user 5 friends with user 1,6

INSERT friendship (user\_id , friend\_id)

values (5,1),(5,6);

-- user 6 friends with 2,3

INSERT friendship (user\_id , friend\_id)

values (6,2),(6,3);

-- sample query result

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

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

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

-- ninja query-- return all users who are friends with the first user, user id and names!

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

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

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

WHERE user\_id = 1;

-- ninja query-- return the COUNT of all friendships

SELECT count(id) FROM friendship;

-- ninja query-- find out who has the most friends

SELECT users.first\_name, users.last\_name, COUNT(\*) FROM users

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

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

GROUP BY user\_id

Order by count(\*)DESC

LIMIT 1;

-- ninja query-- return the friends of the third user in alphabetical order

SELECT users2.first\_name,users2.last\_name FROM users

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

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

WHERE users.id = 3;