By the end of the Unit, based on Khan Academy, students will be able to understand and complete this code:

( This is found on: [**Computing**](https://www.khanacademy.org/computing)**/** [**Computer programming**](https://www.khanacademy.org/computing/computer-programming)**/** [**Intro to SQL: Querying and managing data**](https://www.khanacademy.org/computing/computer-programming/sql)**/** [**Relational queries in SQL**](https://www.khanacademy.org/computing/computer-programming/sql#relational-queries-in-sql)/Challenge:Friendbook)

CREATE TABLE persons (

id INTEGER PRIMARY KEY AUTOINCREMENT,

fullname TEXT,

age INTEGER);

INSERT INTO persons (fullname, age) VALUES ("Bobby McBobbyFace", "12");

INSERT INTO persons (fullname, age) VALUES ("Lucy BoBucie", "25");

INSERT INTO persons (fullname, age) VALUES ("Banana FoFanna", "14");

INSERT INTO persons (fullname, age) VALUES ("Shish Kabob", "20");

INSERT INTO persons (fullname, age) VALUES ("Fluffy Sparkles", "8");

CREATE table hobbies (

id INTEGER PRIMARY KEY AUTOINCREMENT,

person\_id INTEGER,

name TEXT);

INSERT INTO hobbies (person\_id, name) VALUES (1, "drawing");

INSERT INTO hobbies (person\_id, name) VALUES (1, "coding");

INSERT INTO hobbies (person\_id, name) VALUES (2, "dancing");

INSERT INTO hobbies (person\_id, name) VALUES (2, "coding");

INSERT INTO hobbies (person\_id, name) VALUES (3, "skating");

INSERT INTO hobbies (person\_id, name) VALUES (3, "rowing");

INSERT INTO hobbies (person\_id, name) VALUES (3, "drawing");

INSERT INTO hobbies (person\_id, name) VALUES (4, "coding");

INSERT INTO hobbies (person\_id, name) VALUES (4, "dilly-dallying");

INSERT INTO hobbies (person\_id, name) VALUES (4, "meowing");

CREATE table friends (

id INTEGER PRIMARY KEY AUTOINCREMENT,

person1\_id INTEGER,

person2\_id INTEGER);

INSERT INTO friends (person1\_id, person2\_id)

VALUES (1, 4);

INSERT INTO friends (person1\_id, person2\_id)

VALUES (2, 3);

SELECT persons.fullname, hobbies.name

FROM persons

JOIN hobbies

ON persons.id = hobbies.person\_id

;

SELECT perA.fullname, perB.fullname

FROM persons perA

JOIN friends

ON perA.id = friends.person1\_id

JOIN persons perB

ON friends.person2\_id = perB.id

;

Within the Khan Academy platform, it would look like :





