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

```
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
    ;
```

From: **Computing/ Computer programming/** Intro to SQL: Querying and managing data/ **Relational queries in SQL**/
Challenge:Friendbook

On Khan Academy's platform, it would look like :

persons:

id	fullname	age
1	Bobby McBobbyFace	12
2	Lucy BoBucie	25
3	Banana FoFanna	14
4	Shish Kabob	20
5	Fluffy Sparkles	8

hobbies:

id	person_id	name
1	1	drawing
2	1	coding
3	2	dancing
4	2	coding
5	3	skating
6	3	rowing
7	3	drawing
8	4	coding
9	4	dilly-dallying
10	4	meowing

Friends:

id	person1_id	person2_id
1	1	4
2	2	3

QUERY RESULTS

fullname	name
Bobby McBobbyFace	drawing
Bobby McBobbyFace	coding
Lucy BoBucie	dancing
Lucy BoBucie	coding
Banana FoFanna	skating
Banana FoFanna	rowing
Banana FoFanna	drawing
Shish Kabob	coding
Shish Kabob	dilly-dallying
Shish Kabob	meowing

fullname	fullname
Bobby McBobbyFace	Shish Kabob
Lucy BoBucie	Banana FoFanna