Friday, April 7, 2017 2:34 PM

Challenge: FriendBook

We've created a database for a friend networking site, with a table storing data on each person, a table on each person's hobbies, and a table of friend connections between the people.

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",

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

persons id (PK)INTEGER fullnameTEXT

ageINTEGER

nameTEXT

hobbies id (PK)INTEGER person_idINTEGER

id (PK)INTEGER person1_idINTEGER person2_idINTEGER

Step 1

In this first step, use a JOIN to display a table showing people's names with their hobbies

SELECT persons.fullname, hobbies.name FROM persons JOIN hobbies ON persons.id = person id;

CREATE TABLE persons (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

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

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, "dillydallving"):

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);

id (PK) INTEGER

fullname TEXT

age INTEGER

<u>hobbies</u> 10 rows id (PK) INTEGER person_id INTEGER

name TEXT

friends id (PK) INTEGER person1_id INTEGER

person2_id INTEGER

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



