/\*Creating table for names and ages\*/

CREATE TABLE persons (

id integer PRIMARY KEY AUTOINCREMENT,

name text,

age integer);

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

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

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

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

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

INSERT INTO persons (name, age) VALUES ("Joe Bob", 17);

/\*Creating table showing hobbies for those in the "persons" table\*/

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");

INSERT INTO hobbies (person\_id, name) VALUES (5, "jumping");

/\*Join on both tables that shows the name from persons table to the hobby names from the hobbies table\*/

SELECT persons.name, hobbies.name FROM persons

JOIN hobbies

ON hobbies.person\_id = persons.id;

/\*Same join on both tables, except with an added filter on an individual from the persons table\*/

SELECT persons.name, hobbies.name FROM persons

JOIN hobbies

ON hobbies.person\_id = persons.id

WHERE persons.name = "Bobby McBobbyFace";

# DATABASE SCHEMA

| [**persons**](javascript:void(0))6 rows |
| --- |
| id (PK)INTEGER |
| nameTEXT |
| ageINTEGER |

| [**hobbies**](javascript:void(0))11 rows |
| --- |
| id (PK)INTEGER |
| person\_idINTEGER |
| nameTEXT |

# QUERY RESULTS

| **name** | **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 |
| Fluffy Sparkles | jumping |

| **name** | **name** |
| --- | --- |
| Bobby McBobbyFace | drawing |
| Bobby McBobbyFace | coding |