## **SQLite**

### Schema for User Table:

```
CREATE TABLE user_table (
user_id VARCHAR(50),
username VARCHAR(50),
password VARCHAR(100),
name VARCHAR(100),
mail VARCHAR(150),
PRIMARY KEY (user_id)
);
```

# Schema for Post Table:

```
CREATE TABLE post_table (
   post_id VARCHAR(50),
   post_name VARCHAR(50),
   post_description TEXT,
   posted_time DATETIME,
   posted_by VARCHAR(50),
   comments_count INT,
   PRIMARY KEY (post_id),
   FOREIGN KEY (posted_by) REFERENCES user_table(user_id)
);
```

### Schema for Comments Table:

```
CREATE TABLE comments_table (
comment_id VARCHAR(50),
comment TEXT,
commented_by VARCHAR(50),
post_id VARCHAR(50),
PRIMARY KEY (comment_id),
FOREIGN KEY (commented_by) REFERENCES user_table(user_id),
FOREIGN KEY (post_id) REFERENCES post_table(post_id)
);
```

The relation between the User table and the Posts table is 1: N

The relation between the Posts table and the Comments table is N: N

SQLite query to find all posts created by a specific user, including the user details.

### **SELECT**

post\_table.post\_id, post\_table.post\_name, post\_table.post\_description, post\_table.posted\_time,
user\_table.user\_id, user\_table.username, user\_table.name, user\_table.mail
FROM
post\_table JOIN user\_table ON post\_table.posted\_by = user\_table.user\_id
WHERE user\_table.user\_id = 'specific\_user\_id';