# Week 11 Quiz

## CSCI040: ~~Computing for the Web~~ Introduction to Hacking

**Instructions.** Use the SQL CREATE/INSERT instructions below to answer the questions. There is no self-grading of this quiz, simply upload your completed quiz to sakai.

```
CREATE TABLE messages (
    id INTEGER PRIMARY KEY,
    sender_id INTEGER NOT NULL,
    message TEXT NOT NULL,
    created_at TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP
    );
INSERT INTO users (username, password, age) VALUES
    ('trump', '12345', 74),
    ('biden', 'password', 77),
    ('evan', 'asd9uh9893dsdASDas-d', 2),
    ('mike', '#FJASSIDasdjasudha8081hdasd', 35),
    ('kristen', 'asdiahisda89283d92uqwudausd98', NULL);

CREATE TABLE users (
    id INTEGER PRIMARY KEY,
    username TEXT NOT NULL UNIQUE,
    password TEXT NOT NULL,
    age INTEGER
    );
INSERT INTO messages (sender_id, message) VALUES
    (1, 'I''m a baby.'),
    (2, 'I''m a baby.'),
    (3, 'I''m a toddler.'),
    (3, 'My daddy is the best.'),
    (3, 'I love you, I love everyone :)');
```

**Problem 1.** What is the output of the following SQL query?

```
SELECT age,username FROM users WHERE username='trump';
```

**Problem 2.** What is the output of the following SQL query?

```
SELECT username FROM users WHERE age>2;
```

**Problem 3.** What is the output of the following SQL query?

```sql
SELECT message FROM messages WHERE sender_id==3;
```

**Problem 4.** What is the output of the following SQL queries?

```sql
UPDATE users SET password='test';
SELECT username FROM users WHERE password=='test';
```

**Problem 5.** What is the output of the following SQL queries?

```sql
UPDATE users SET age=35 WHERE age IS NULL;
SELECT username FROM users WHERE age==35;
```