## **CSE 344 Section 4 Worksheet**

```
-- All classes, even ones that are not being taught this quarter.
-- Some classes may be taught by multiple instructors.
CREATE TABLE Class (
   dept VARCHAR(50), -- eq, "CSE" or "DATA
                          -- eq, "344" or "514"
   coursenum INT,
   title VARCHAR(50),
   PRIMARY KEY (dept, coursenum));
-- All instructors, including ones that are not currently teaching.
-- Some instructors may teach more than one class in a single
quarter.
CREATE TABLE Instructor (
   username VARCHAR(50) PRIMARY KEY,
   fname VARCHAR(50),
lname VARCHAR(50),
   started on CHAR(10));
-- This quarter's teaching assignments
CREATE TABLE Teaches (
   username VARCHAR(50) REFERENCES Instructor,
   dept VARCHAR(50), -- FK into Class
                          -- FK into Class
   coursenum INT,
   FOREIGN KEY (dept, coursenum) REFERENCES Class);
```

1. How many classes are currently being taught by at least one instructor?

2. Which instructors currently teach more than 1 class? Give the username, first name, and last name of these instructors. Do NOT use a correlated subquery (although that is a good place to start).

## (Tables repeated for convenience)

3. Which CSE courses do neither Dr. Levy (username 'levy') nor Dr. Wetherall (username 'djw') teach this quarter? Give the department, number, and title of these courses.