

CSE 414 section 3: Problems

To warm up for HW3, lets do some exercise on "Nested Subqueires":

Schema (Same as last time)

```
CREATE TABLE Class (  
    dept VARCHAR(6),  
    number INTEGER,  
    title VARCHAR(75),  
    PRIMARY KEY (dept, number)  
);  
  
CREATE TABLE Instructor (  
    username VARCHAR(8),  
    fname VARCHAR(50),  
    lname VARCHAR(50),  
    started_on CHAR(10),  
    PRIMARY KEY (username)  
);  
  
CREATE TABLE Teaches (  
    username VARCHAR(8),  
    dept VARCHAR(6),  
    number INTEGER,  
    PRIMARY KEY (username, dept, number),  
    FOREIGN KEY (username) REFERENCES Instructor(username),  
    FOREIGN KEY (dept, number) REFERENCES Class(dept, number)  
);
```

- 1). How many classes are being taught by at least one instructor?
- 2). Which instructors teach more than 1 class?
- 3). Which courses do neither Dr. Levy nor Dr. Wetherall teach?