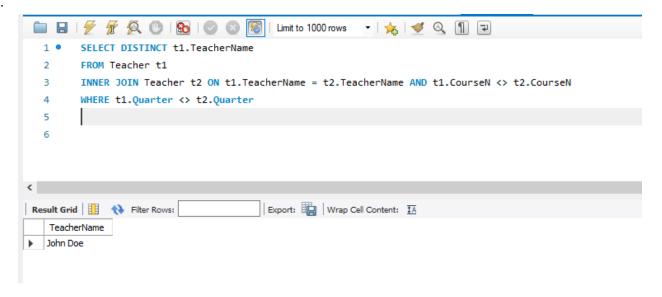
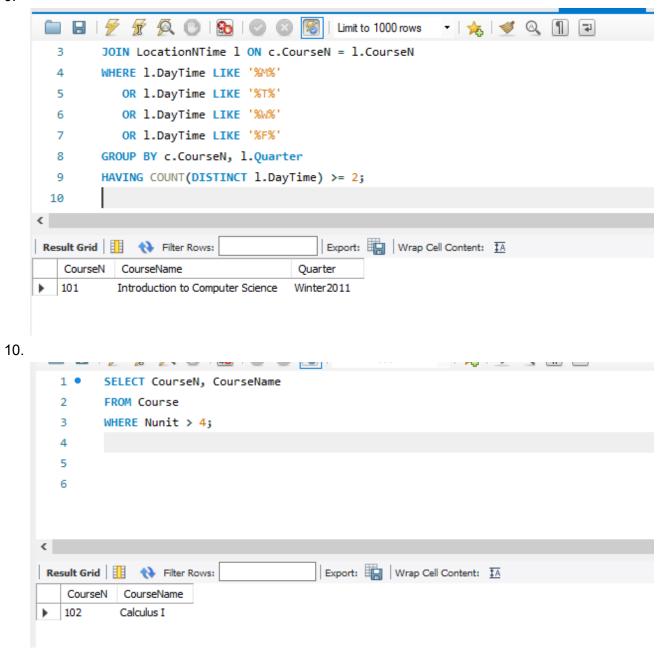


5. SELECT s.CourseN, t.TeacherName 2 FROM Student s JOIN Teacher t ON s.CourseN = t.CourseN AND s.Quarter = t.Quarter WHERE s.StudentName IN ('Ron Smith', 'David Weidman'); 5 Export: Wrap Cell Content: IA CourseN TeacherName David Weidman 105 106 Ron Smith 6. 1 • SELECT c.CourseN, 1.Quarter 2 FROM Course c JOIN LocationNTime 1 ON c.CourseN = 1.CourseN JOIN Teacher t ON c.CourseN = t.CourseN AND 1.Quarter = t.Quarter WHERE t.TeacherName = 'Karen Reed' AND 1.RoomN = '713'; Export: Wrap Cell Content: IA CourseN Quarter 102 Spring2005

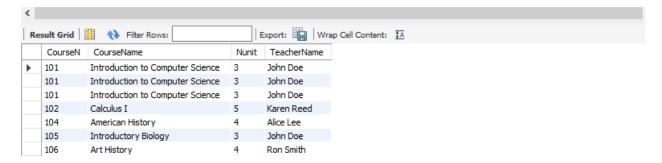
```
SELECT DISTINCT TeacherName
       FROM Teacher
  2

→ WHERE CourseN IN (
  3
         SELECT CourseN
  4
  5
         FROM Teacher
        GROUP BY CourseN
  6
        HAVING COUNT(DISTINCT Quarter) >= 2
  7
  8
      ز( ٔ
<
                                 Export: Wrap Cell C
TeacherName
John Doe
```





```
🔤 🔚 | 🦅 🏋 💯 | 🚻 | 🤝 | 🐷 | 🍇 | Limit to 1000 rows 🔻 | 🥦 | 🦅 🔍
         SELECT s.CourseN, c.CourseName, s.StudentName
   2
        FROM Student s
        JOIN Course c ON s.CourseN = c.CourseN
   3
        GROUP BY s.CourseN, s.StudentName
  4
  5
        HAVING COUNT(*) >= 2;
  6
   8
Export: Wrap Cell Content: IA
   CourseN CourseName
                                   StudentName
101
           Introduction to Computer Science
                                   John Smith
```



```
13.

★ ② □ | ② □ | ② □ | Limit to 1000 rows

                                                            + | 🏡 | 🍼 🔍 🚹 🗔
               SELECT CourseN, Quarter
        2
               FROM Teacher
            4
                  SELECT CourseN
        5
                  FROM Teacher
                  GROUP BY CourseN, Quarter
        6
        7
                  HAVING COUNT(DISTINCT TeacherName) = 2
        8
               ORDER BY CourseN DESC;
        9
        10
                                             Export: Wrap Cell Content: IA
       Result Grid
                   Filter Rows:
         CourseN
                 Quarter
```

The table I made on Mysql is below

DROP DATABASE IF EXISTS university_db;

```
-- Create the database
CREATE DATABASE university_db;

-- Use the database
USE university_db;

CREATE TABLE Teacher (
   CourseN INT,
   Quarter VARCHAR(20),
   TeacherName VARCHAR(50),
   PRIMARY KEY (CourseN, Quarter)
);

INSERT INTO Teacher (CourseN, Quarter, TeacherName)
```

```
VALUES (101, 'Winter2011', 'John Doe'),
    (102, 'Spring2005', 'Karen Reed'),
    (101, 'Fall2008', 'John Doe'),
    (104, 'Winter2011', 'Alice Lee'),
    (105, 'Fall2008', 'John Doe'),
    (106, 'Winter2011', 'Ron Smith');
CREATE TABLE Course (
 CourseN INT,
 CourseName VARCHAR(50),
 Nunit INT,
 PRIMARY KEY (CourseN)
);
INSERT INTO Course (CourseN, CourseName, Nunit)
VALUES (101, 'Introduction to Computer Science', 3),
    (102, 'Calculus I', 5),
    (103, 'Shakespearean Literature', 3),
   (104, 'American History', 4),
    (105, 'Introductory Biology', 3),
    (106, 'Art History', 4);
CREATE TABLE LocationNTime (
 CourseN INT,
 Quarter VARCHAR(20),
 DayTime VARCHAR(20),
 RoomN VARCHAR(10),
 PRIMARY KEY (CourseN, Quarter, DayTime, RoomN),
 FOREIGN KEY (CourseN, Quarter) REFERENCES Teacher (CourseN, Quarter)
);
INSERT INTO LocationNTime (CourseN, Quarter, DayTime, RoomN)
VALUES (101, 'Winter2011', 'M2:00PM', '34'),
              (101, 'Winter2011', 'T2:00PM', '34'),
    (102, 'Spring2005', 'M8:00PM', '713'),
    (101, 'Fall2008', 'T4:50PM', '22'),
    (104, 'Winter2011', 'F1:00PM', '34'),
    (105, 'Fall2008', 'M10:00AM', '12'),
    (106, 'Winter2011', 'W9:00AM', '723');
CREATE TABLE Student (
 StudentName VARCHAR(50),
 CourseN INT,
 Quarter VARCHAR(20),
```

```
PRIMARY KEY (StudentName, CourseN, Quarter),
FOREIGN KEY (CourseN, Quarter) REFERENCES Teacher (CourseN, Quarter)
);

INSERT INTO Student (StudentName, CourseN, Quarter)
VALUES ('John Smith', 101, 'Winter2011'),
    ('Karen Reed', 102, 'Spring2005'),
    ('John Smith', 101, 'Fall2008'),
    ('Alice Lee', 104, 'Winter2011'),
    ('David Weidman', 105, 'Fall2008'),
    ('Ron Smith', 106, 'Winter2011');
```