CS2550 Fall 2013
SQL Assignment #10 - Expected Results

1. Insert a new instructor: Mr. Hugo Reyes with an ID of 815. His address is 2342 Oceanic Way, Bayonne, NJ, 07002. He doesn't have a phone number .

```
inserted 1 row
```

2. Create a new section ID of 48 for Mr. Reyes. He'll be teaching section 4 of the Project Management Course (142) beginning on September 22, 2011 at 8:15am in Room L211. The capacity is 15 students.

```
1 rows inserted
```

3. Enroll students 375, 137, 266 and 382 in the course. Their enrollment date should be the current date. (Use ONE INSERT statement)

```
4 rows inserted
```

4. Remove the enrollment for student 147 from section 120.
Note the error. You cannot delete the enrollment record because there are foreign keys in the Grade table that depend on the Enrollment table records, thus creating an integrity constraint violation.
First remove all grades for student 147, section 120 and then remove the enrollment for student 147, section 120. (Use two DELETE statements)

```
11 rows deleted
1 rows deleted
```

5. Use the same procedure to remove the enrollment record for student 180 in section 119.

```
9 rows deleted
1 rows deleted
```

6. Change Mr. Reyes' (ID 815) phone number to be 4815162342.

```
1 rows updated
```

7. Change the grade on the first homework (HM) assignment for each student in section 119 to 100.

```
3 rows updated
```

8. Increase the final exam (FI) score for each student in section 119 by 10 percent.

```
3 rows updated
```

9. For each section of the Project Management course, list the section ID, location and number of students enrolled. Sort by section ID

```
SECTION_ID     LOCATION          ENROLLED
----------     ----------        ----------
48             L211              4
119            L211              3
120            L214              2
121            L507              0
```
(4 Rows)

10. Provide an alphabetic list of instructor names and addresses for instructors that teach the Project Managment course.

```
FIRST_NAME     LAST_NAME       PHONE
--------------  --------------  ---------------
Anita          Morris          2125551212
Gary           Pertez          2125551212
Hugo           Reyes           4815162342
Nina           Schorin         2125551212
```
(4 Rows)

11. Provide a list of students in section 119 along with their average numeric grade. Include the student id, student name and average grade. Format the average to two places. Sort by student ID.

```
STUDENT_ID  FIRST_NAME  LAST_NAME  AVERAGE
----------  ----------  ---------  -------
193         Al          Jamerncy   86.56
220         Robert      Segall     87.56
223         Frank       Pace       86.11
```
(3 Rows)

12. Create a query to determine the number of instructors who have taught more than 3 students in a course section taught in Room L211.

```
NUMBEROFINSTRUCTORS
----------------------
1
```
(1 Row)

13. Create a list of instructors that have taught only the Project Management course (142). List the instructor's name (salutation, first name, last name) and their phone number.

```
INSTRUCTOR       PHONE
---------------  --------------
Mr. Hugo Reyes   481-516-2342
```
(1 Row)

14. List student names, section id and course number for students that have not yet received any grades in the course section.

```
FIRST_NAME   LAST_NAME     SECTION_ID   COURSE_NO
-----------  ------------  -----------  ------------
James        Miller        48           142
Jack         Kasperovich   48           142
Kate         Page          48           142
Michael      Miroff        48           142
```
(4 Rows)

15. Create a query that will list each unique section start time along with the number of unique courses (not sections) that have been taught at that time. Sort by start time.

```
STARTTIME NUMBER_OF_COURSES
--------- ----------------------
08:15AM     1
09:30AM    23
10:30AM     6
11:30AM     1
```
(4 Rows)