**Instructions**

Edit Instructions

The purpose of a worksheet is to provide a support structure for your study and to provide better coverage of routine introductory exercises prior to completing more challenging homework assignments. Much of the text comes from questions that arise during the course.

Please attempt the worksheet on your own. Answers are provided.

To receive credit for completing the worksheet, you must write 'Done' in a textbox on D2L submission folder when you have finished the worksheet. Do not paste your work. Just say 'Done'.

Q1. Database Creation Errors  
    (i) Download University-bad.sql   (Provided under Practice module of Week1)  
    (ii) Run the entire script.      
    (iii) If you get errors in running your script, then determine the nature of errors.     
    (iv) Fix the script and re-run it.

Q2. Data Insertion Errors

Create a table **CSStudent** as below:

Create table CSStudent (  
studentID number(6),  
SSN number(10),  
Program       varchar(10),

isStarted char(4),

Started number(4),  
primary key (studentID)  
)

Do not copy/paste the create table statement. Type it in your SQL window.

Insert the following data in CSStudent. For every insert statement answer: Is there an error in Insert statement? Yes/No, and if yes then what is the reason?

(i) INSERT INTO CSStudent VALUES ( 90421, 987654321, 'COMP-GAM', 'Y', 2010 );

(ii) INSERT INTO CSStudent VALUES ( null,  14662, 'COMP-SCI', 'Y', 2013 );

(iii) INSERT INTO CSStudent VALUES (123123123, 08871, 'INFO-SYS', 'Y', 2009 );

(iv) INSERT INTO CSStudent VALUES (90422, 987654321, 'INFO-SYS', 14.3, 2009 );

Q3. What is the difference between the following statements:

(i) delete from CSStudent;

(ii) drop table CSStudent;

Run the two statements (i) followed by (ii) and see for yourself.

Q4. Modify University-good.sql () as follows:

1. Alter table ‘student’ to add the attribute ‘Photo’.
2. Alter table ‘course’ and change attribute ‘CourseName’s’ data type to varchar(150).
3. Alter table ‘enrolled’. Add delete cascade constraints on the Enrolled table.

Q5. DB Integrity operations:

Consider a table declaration  
    A (a number(2), b number(2), primary key(a,b))

Create the able table and then insert the following data:

   INSERT into A values (1,2); INSERT into A values (1,3);