Metro State University
ICS-311-50 Summer 2023
Class Assignment 2

Question 1

Write the following queries in SQL, using the university schema.

 a. Create a new course "CS-001", titled "Weekly Seminar", with 0 credits.

 b. Create a section of this course in Autumn 2009, with section id of 1.

c. Enroll every student in the Comp. Sci. department in the above section.

d. Delete enrollments in the above section where the student's name is Chavez.

e. Delete the course CS-001. What will happen if you run this delete statement without first deleting offerings (sections) of this course.

f. Delete all takes tuples corresponding to any section of any course with the word "database" as a part of the title; ignore case when matching the word with the title.

Question 2

Consider the relational database below.

employee (<u>employee name</u>, street, city)
works (<u>employee name</u>, company name, salary)
company (<u>company name</u>, city)
manages (<u>employee name</u>, manager name)

Give an expression in SQL for each of the following queries.

- Give all employees of First Bank Corporation a 10 percent raise.
- Give all managers of First Bank Corporation a 10 percent raise.
- Delete all tuples in the *works* relation for employees of Small Bank Corporation.