Assignment-3 ITI-2180 Foundations of Data and Database Management

1. Chapter 4 Hands-on Assignment (problems A – J: see below) – 50 points

Problem A: Chapter 4 Hands-on Assignment #1

Problem B: Chapter 4 Hands-on Assignment #2

Problem C: Chapter 4 Hands-on Assignment #3

Problem D: Chapter 4 Hands-on Assignment #4

Problem E: Chapter 4 Hands-on Assignment #5

Problem F: Chapter 4 Hands-on Assignment #6

Problem G: Chapter 4 Hands-on Assignment #8

Problem H: Chapter 4 Hands-on Assignment #9

Problem I: Add a primary key to the STATE column of the TAX table.

Problem J: Add a foreign key constraint to ensure referential integrity in the CUSTOMERS and ORDERS tables related to the TAX table. In other words, a CUSTOMERS address can't contain a state that does not exist in the TAX table, and ORDERS can't be shipped to a state that does not exist in the TAX table.

WARNING: Although optional in SQL syntax, it is required that you name all constraints, including the NOT NULL constraint.

Submit: A file called *Assignment-3-Results.docx* with formatted SQL & output to Blackboard.

Hints: Problem C use the “IN” operator

Problem E there are two different CONSTRAINTS you provide

Problem G there is a PRIMARY KEY and two FOREIGN KEYS

Problem H use the USER\_CONSTRAINTS data dictionary view

Problems I & J assumes you have the TAX table created from Assignment-2