Metro State University
ICS-311-50 Sumer 2023
Class Assignment 5

Write SQL statements to answer questions a, b, c and d based on the following schema. Primary keys are(BOLD and italicized) and attributes with the same names in different tables are foreign keys.

Doctors(***doctorId***, doctorName, specialty)
Patients(***patientId***, patientName, sex, patientBalance, numberOfVisits)
Records(***doctorId, patientId***, date, diagnosis, visitCost)

a) Create a view, called DoctorSmithsPatients, to list all the patients Dr. Smith has (be careful on this one).

b) Write a trigger, each time a row is inserted in the table Records, the numberOfVisits in the corresponding Patient row is updated by 1 (i.e. add 1 to the numberOfVisits).

c) Find the cost of the most expensive visit.

d) For each doctor, list the doctor's identifier, doctor name and the total number of visits that were administered by the doctor.