CSE 502

Department of Computer Science and Engineering

Lab5-6: Database Schema for a Student Library scenario

Database Schemas:

Student(Stud_no **:** *string***,** Stud_name: *string*)

Membership(Mem_no: *string*, Stud_no**:** *string*)

Book(book_no: *string*, book_name: *string*, author: *string*)

Iss_rec(iss_no: *integer*, iss_date: *date*, Mem_no: *string*, book_no: *string*)

For the above schema, perform the following—

1. Create the tables defined by the above schemas. Impose constraints to check the student no is started with '**C**'; take **present date** as the **default value** for **iss_date.** Defined foreign key for at least two tables.
2. Insert around **10 records** in each of the tables
3. List all the **student** and **Book name, Author** issued on a **specific date**
4. List the details of **students** who borrowed book whose author is **Tanenbum**
5. Give a count of how **many books** have been borrowed by each student
6. List the **students** who reached the borrowed **limit 3**
7. Give a list of books taken by student with **stud_no** as C5
8. List the book details which are **issued as of today.**

Write your query on plain text on paper and Text/Notepad for assessment