Develop the following relational databases and complte SQL queries for your **rental library project**. Consider the appropriate constraints while designing the databases. The underline attributes are primary keys for the corresponding relational database.

**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.**
2. Insert around **10** **records** in each of the tables
3. List all the **student** and **Book name, Author** issuedon a **specific date** (e.g., 01-01-2013)
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** (i.e., none can borrow more than 3 books)
7. Give a list of books taken by student with **stud\_no** C033002
8. List the book details which are **issued as of today.**

**Instruction**:

1. Keep paper and pen and records the table as appropriate and map them according to the query
2. Do debug several time for the self assessment
3. Sign/show up the paper works before final assessment

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

**Special note: All reports must be hand written**

**TRIGGER: stud\_no: ‘C%’ - DONE**

**iss\_date: present date\* DONE LATER AFTER SOME INPUT iss - DONE**

**book limit 3 books per stud - DONE**

**INPUT: date:2013-01-01**

**author:Tanenbum**

**stud\_no C033002**