

CSE4126: Distributed Database Systems Lab

Offline 1-Section A1

Marks - 5

[All of your sql commands should be in a single script, you will upload a single sql file]

[Rename your sql file with your ID, Assume any necessary data if needed]

Consider the following database schema that is maintained at a university library:

Student(*studentID*: integer, *name*: string, *phone*: string, *age*: integer)

Borrows(*studentID*: integer, *bookID*: integer, *dateBorrowed*: date)

Book(*bookID*: integer, *authorID*: integer, *title*: string, *genre*: string, *datePublished*: date)

Author(*authorID*: integer, *name*: string, *age*: integer)

Tasks:

1. Create the four tables and insert necessary data in the tables using SQL commands (necessary data can be within 5 to 10 rows).
(We all should learn the reverse process - based on the query, we should be able to guess the required data)
2. Write the following queries in SQL –
 - a. Show the *age* of the author who wrote the book titled “Gulliver’s Travels”.
 - b. Show the *name* of the youngest author from among those who have published books belonging to the genre “Fiction”.
 - c. Show the *name* of the author who published a book on 20th April, 2019.

HONOR CODE:

1. Do not copy/share with others.
2. If identified, you will get zero.