

CSE4126: Distributed Database Systems Lab

Online 1: Section C1

Marks-10

A database schema is given as follows:

Student(*sID*: integer, *sname*: string, *phone*: string, *age*: integer)

Borrows(*sID*: integer, *bID*: integer, *dateBorrowed*: date)

Book(*bID*: integer, *aID*: integer, *title*: string, *genre*: string)

Author(*aID*: integer, *aname*: string, *age*: integer)

A database file(**database.sql**) containing some preliminary data has been provided. You have to run the sql file first. Then you have to write a solution in **PL/SQL** that solves the question given as follows:

Question:

Find the youngest author and the oldest author within the *Author* table. For the youngest author, insert 2 books into the *Book* table. For the oldest author, find out how many times their book was borrowed within 2017 to 2018.

Note: Make sure the serial of the *bID* column is maintained while inserting new rows.