CIS 310 Fall 2021

Small Group Activity #6

30 points

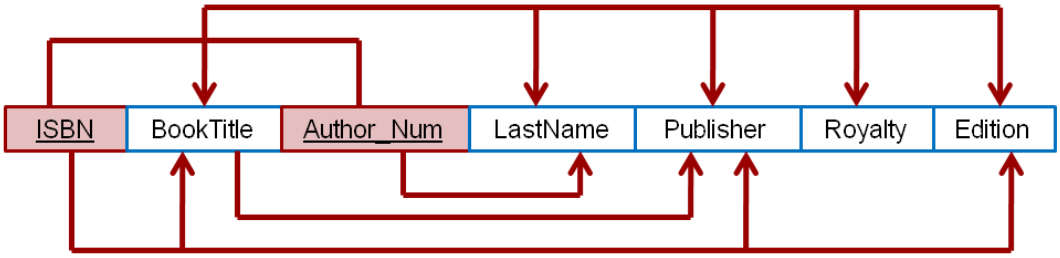
Names of group members: _____

_____

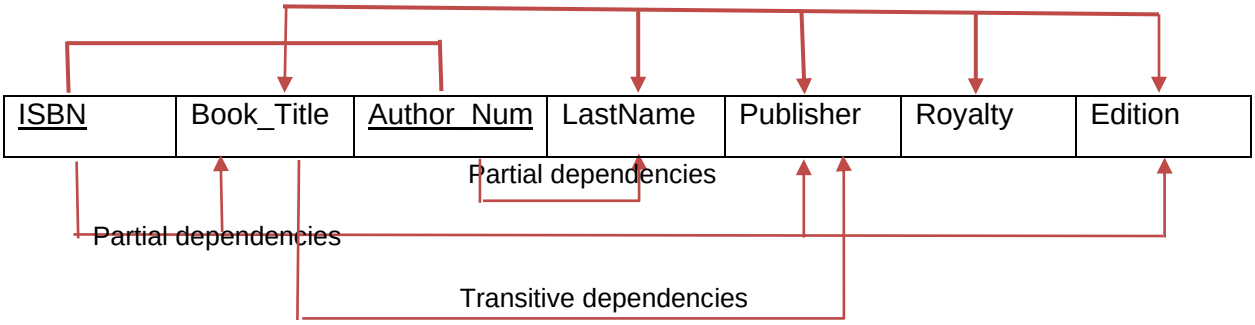
1. Get in touch with your group. (See Groups folder on Blackboard.)
2. Discuss and complete the assignment together via E-mail, Discussion Forum, Blackboard Collaborate Ultra, and/or MS Teams.
3. Choose a recorder to prepare the final copy (one per group) and submit it via the Blackboard Assignments/Small Group Activities folder to the instructor.
4. Be sure all group members' names are on final copy. Do not add names of your group classmates who did not participate in the assignment.

Provide the answers in this document below. Sketch the dependency diagrams on scratch paper by hand first and then use Word or Visio drawing tools to present them in a professional manner like in the diagram below. Each group member should save the Visio/Word file on the J drive as SGA6-Groupxx.vsdx, where xx stands for the group number. Convert the Visio/Word file to pdf and save it as SGA6_Groupxx.pdf. **Submit the pdf file to Blackboard by the due date, one solution per group.**

Work Review Question 7 on pages 233-234.



Show the database in 1NF.



1NF (ISBN, Author_Num, Book_Title, LastName, Publisher, Royalty, Edition)

Show the database in 2NF.

Table Name: ISNB ISBN (ISBN, Book_Title, Publiser, Edition)

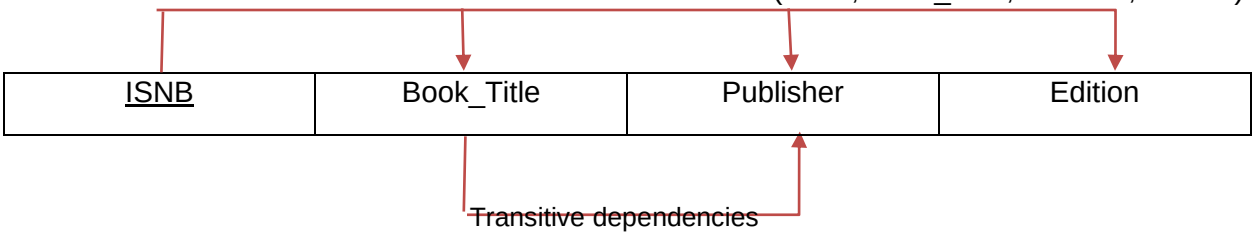


Table Name: Author Author (Author_Name, LastName)

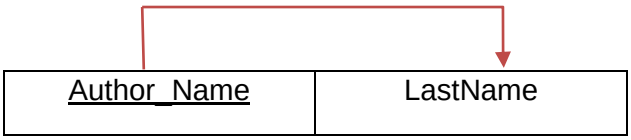
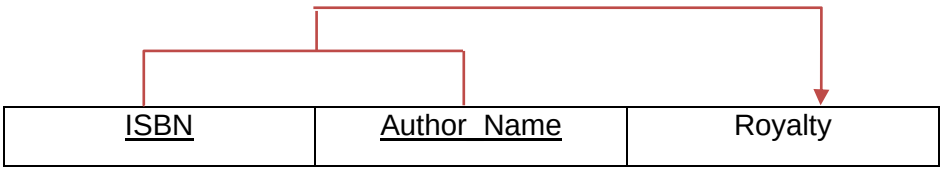


Table: Royalty Royalty (ISNB, Author_Name, Royalty)



Show the database in 3NF.

Table Name: ISBN ISBN (ISBN, Edition)

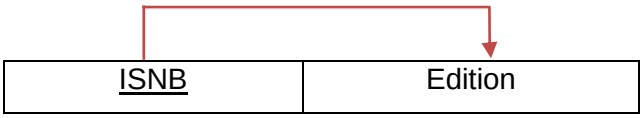


Table Name: Book Book (Book_Title, Publisher)

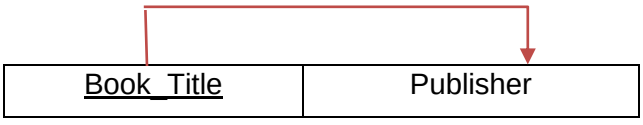


Table Name: Author Author (Author_Name, LastName)

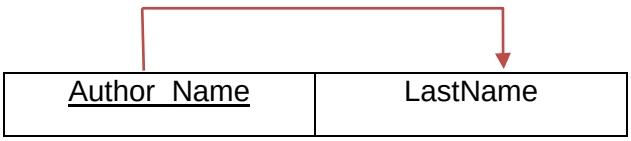
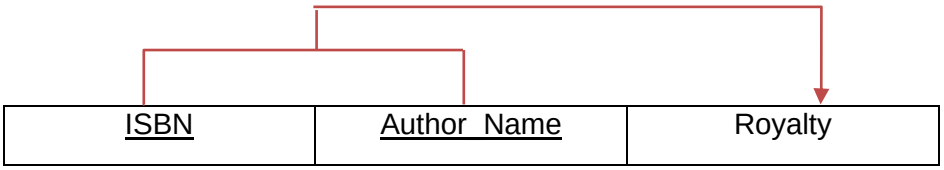


Table: Royalty

Royalty (ISNB, Author_Name, Royalty)