Business Data Management [BDM]
Spring 2020
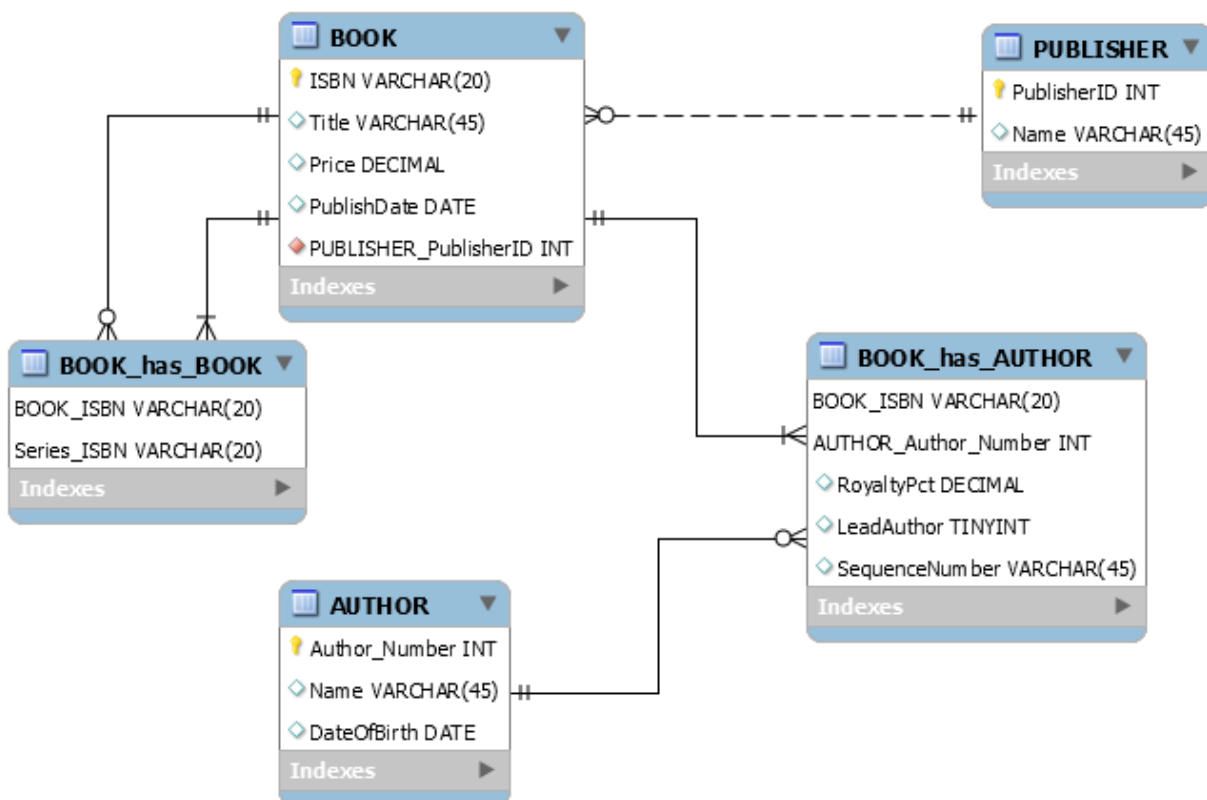**Homework Assignment #4: Querying Data**

Based on the database schema below that you should have developed for HW#3, complete the tasks below.
Note: If your database schema is somehow different from the schema provided below, you need to revise your database first (along with data) before move onto HW#4 questions.

First, prepare SELECT statements to complete the queries presented below.

Then, run your SELECT statements on your database in your MySQL database server to produce the results of each query statement. Make sure that the result tables have at least ONE record (i.e., row). Revise your database (i.e., insert more records in each table), if necessary.

Finally, export your database and submit .sql file (necessary instructions provided below).

[Queries to conduct]

(a) ISBN number, book title and price of books for books whose prices are greater than $19.99 and less than $50.00.

(b) ISBN number, book title and price of books for books whose title include 'Science'.

(c) ISBN number, book title, price and publisher name for books that a certain publisher of your choice has published.

(d) ISBN number, book title, price and author name for books that a certain author of your choice has published.

(e) Author name and the average book price of all books that a certain author of your choice has published.

[Outputs to submit].

Part 1. SELECT statements for 5 queries above.

(Note: you can simply copy and paste the script from the Workbench query window where you originally prepared and executed the script.)

(a) For example,

```
SELECT ISBN, Title, Price
FROM book
WHERE Price <20;
```

(b)

(c)

(d)

(e)

Part 2. Query Result Tables

(a) For example,

ISBN	Title	Price
978-0143039433	The Grapes of Wrath	16
978-0375508325	Cosmos	17
978-0553380163	A Briefer History of Time	13

(b)

(c)

(d)

(e)

Part 3. Database File: export your database and submit the .sql file created.

Export your database and create a .sql file:
- It is quite simple and easy to export and create a .sql file.
- Watch the video below for a nice and quick demo:
  https://www.youtube.com/watch?v=DTL9fpj1Ke4

Submit your .sql file created after exporting your database:
- (Re)name your .sql file like "BDM_yourID.sql'
- Submit it through the Blackboard website **using a separate link** which will be created in the HW window

Note: [Submission guidelines]

For Part 1. & 2., *just like the previous assingmens, first, prepare your answers in a word file. Make sure to include your name and student ID in your word file, preferably at the top of the first page. Then, save or print your word file to a pdf file, and submit the pdf file* through the Blackboard course website*.*
You are NOT supposed to submit via email, and email submission will be simply disregarded*. Also, note that you are supposed to* submit ONE SINGLE file only*, which is the pdf file. Neither a combination of several files nor a zip file of several files will be considered a proper submission.*

For Part 3., *just follow the instruction provided above. That is, submit your .sql file through the Blackboard website, but use a different link created for .sql file submission.*