

University of Belize
Department of Mathematics, Physics, & Information
Technology
CMPS1171 - Introduction to Databases
Quiz 4

NOTE: Create a file named solution.sql to save your SQL code in.

1. Create a database called quiz4. Open the **library.sql** file provided and create both tables in the database. Insert five rows of data into the **book** table and five rows of data into the **author** table. **[15 points]**
2. Design a stored procedure to insert a row of data into the book table with only the three required fields. Be sure to implement validation for any field left empty. **[20 points]**
3. Create a function to enter a row of data into the author table for the two required fields. The function should return the ID of the record entered. Call and execute the function using a script. **[30 points]**
4. Design a third table to hold logs for authors. The table should be named author_logs, with the fields id_old, fname_old, and lname_old. **[5 points]**
5. Implement a trigger, with its required function, to log an entry into the author_logs table every time a record is deleted or updated in the author table. **[30 points]**

Submit all your SQL code as a text file to the link provided. Also, submit screenshots, as a PDF file, of you executing/implementing your code.