Assignment-2 ITI-2180 Foundations of Data and Database Management

1. Chapter 3 Hands-on Assignment (problems A – J: see below) – 50 points

Problem A: Create a new table containing the category code and description for the categories of books sold by JustLee Books. The table should be called CATEGORY, and the columns should be CatCode and CatDesc. The CatCode column should store a maximum of

2 characters, and the CatDesc column should store a maximum of 10 characters.

Problem B: Add two columns to the EMPLOYEES table. One column, named EmpDate, contains the date of employment for each employee, and its default value should be the system date. The second column, named EndDate, contains employees’ date of termination.

Problem C: Modify the JOB column of the EMPLOYEES tables so that it allows storing a maximum of 12 characters.

Problem D: Delete the EndDate column from the EMPLOYEES table.

Problem E: Create a new table containing these four columns from the existing BOOKS table: ISBN, Cost, Retail, and Category. The name of the ISBN column should be ID, and the other columns should keep their original names. Name the new table BOOK\_PRICING.

Problem F: Mark the Category column of the BOOK\_PRICING table as unused. Verify that the column is no longer available.

Problem G: Truncate the BOOK\_PRICING table, and then verify that the table still exists but no longer contains any data.

Problem H: Delete the BOOK\_PRICING table permanently so that it isn’t moved to the recycle bin.

Problem I: Run the script *tax.sql* in Blackboard Resources. Do not provide the output of running the script. Instead, provide the structure of the table with the DESCRIBE statement.

Problem J: After the *tax.sql* table is created, show a list of the states and their tax rate as a decimal and not a percentage. For example, TN should be displayed as .07, not 7

Hints: Problem F: The problem asks to "verify". Provide proof of the results.

Problem G: The problem asks to "verify". Provide proof of the results.