Assignment-11 ITI-2180 Foundations of Data and Database Management

1. Chapter 12 Hands-on Assignment (problems A – F: see below) – 30 points

Problem A: Chapter 12 Hands-on Assignment #1

Problem B: Chapter 12 Hands-on Assignment #2

Hint: SHOW TITLE, CATEGORY, and COST. This is a two-way join, but the second table is the result of a SELECT statement. Remember that SQL creates a closed system, in other words the result of a SELECT statement is a table (even though it is a temporary table).

Problem C: Chapter 12 Hands-on Assignment #3

Problem D: Chapter 12 Hands-on Assignment #4

Hint: Show ORDER# and ORDER TOTAL. This SELECT has the following HAVING clause somewhere in the SELECT statement:

HAVING SUM(quantity\*paideach) >

(SELECT SUM(quantity\*paideach)

FROM orderitems

WHERE order# = 1008);

Problem E: Chapter 12 Hands-on Assignment #5

Hint: This one is complex, with SELECTs nested three deep. Here is an outline:

SELECT …

FROM …

WHERE isbn IN

(SELECT …

FROM …

GROUP BY isbn

HAVING …

(SELECT MAX(COUNT(\*))

FROM orderitems

GROUP BY isbn));

Problem F: Show the book title and retail price of the most expensive book published by American Publishing?

1. Chapter 13 Hands-on Assignment (problems G – J: see below) – 20 points

Problem G: Chapter 13 Hands-on Assignment #5

Problem H: Chapter 13 Hands-on Assignment #7

Problem I: Create a read-only view named *FULL\_ORDERS* that has all the columns of the CUSTOMERS, ORDERS, and ORDERITEMS tables.

Problem J: Using the *FULL\_ORDERS* view created above, show a list of the order totals. Specifically, show the customers' name, the order#, and total amount of the order. Sort the result so the highest order total is first in the list.

NOTE: There are 6 questions from Chapter 12 and 4 from Chapter 13 for a total of 10 questions.

Submit: A file called *Assignment-11-Results.docx* with formatted SQL & output to Blackboard.