
Assignment 2 (20 points)
Due Date: Wednesday, February 3, 2016 11:55 PM

Additional Files:

- *create_schema_bookstore.sql*
- *create_tables_bookstore.sql*
- *insert_data_bookstore.sql*

This assignment uses the tables associated with the *bookstore* database. Create the *bookstore* database if you have not done so already.

- Switch to the bookstore database.
- Run the SQL script to create the tables; use the file *create_tables_bookstore.sql*
- Run the SQL script to populate the tables; use the file *insert_data_bookstore.sql.sql*

Write SQL statements to perform the following queries:

Query 1: The Pioneer Book Store has decided to keep track of computers used by the employees. In order to do this, one new table will be added to the database. The schema for these tables, as related to the existing employee table is:

```
COMPUTER(serial_number, make, model, processor_type, memory, disk_size)
```

Create a new table containing these six columns: serial_number, make, model, processor_type, memory, disk_size. The table name should be *computer*. The serial_number column contains a numeric number which should consist of a seven-digit number. Use column sizes you consider suitable for the *make*, *model*, *processor_type*, *memory*,*disk_size* columns. The serial_number column is a primary key.

Specify the InnoDB storage engine for the new table.

Query 2: Add five rows to the computer table. Copy and run the following SQL statements.

```
INSERT INTO COMPUTER VALUES(
      9871234, 'HP', 'Pavilion 500-210qe', 'Intel i5-4530',
      '6.0 GBytes', '1.0 TBytes');
INSERT INTO COMPUTER VALUES(
      9871245, 'HP', 'Pavilion 500-210qe', 'Intel i5-4530',
      '6.0 GBytes', '1.0 TBytes');
INSERT INTO COMPUTER VALUES(
      9871256, 'HP', 'Pavilion 500-210qe', 'Intel i5-4530',
      '6.0 GBytes', '1.0 TBytes');
INSERT INTO COMPUTER VALUES(
      9871267, 'HP', 'Pavilion 500-210qe', 'Intel i5-4530',
      '6.0 GBytes', '1.0 TBytes');
INSERT INTO COMPUTER VALUES(
      9871278, 'HP', 'Pavilion 500-210qe', 'Intel i5-4530', ,
      '6.0 GBytes', '1.0 TBytes');
```

Query 3: Alter the *computer* table to add a column that will be used to store the processor speed. Name this column *processor_speed* and use an appropriate number datatype specification. You do not need to store any data to this column.

Query 4: Copy and run the following SQL statement. It will display the rows in the *computer* table.

```
SELECT *
FROM  computer
ORDER BY make DESC;
```

Query 5: Use the DESCRIBE command to describe the *computer* table.

Query 6: Copy and run the following SQL statement. It will display the rows in the *computer* table.

```
SELECT serial_number, make, model
FROM computer;
```

Query 7: Delete the *processor_speed* column from the *computer* table.

Query 8: Use the following SELECT command to display the rows in the *computer* table.

```
SELECT *
FROM computer;
```

Query 9: Rename the *computer* table as *computer_backup*.

Query 10: Display the names of the tables in your current database.

Query 11: Drop the *computer_backup* table.

Display the names of the tables in your current database.

Submission

- You will need to label your assignment with your first initial, last name, and the name of the assignment.
- Zip the files to upload to Insight (hibrahim_assignment2.zip).
- Submit the zipped file containing the script and output TXT via Insight.
- Remember to include the query number as a comment at each step.
- Read your output TXT file before you turn it in.
- Do not include the SQL **that I give you** to create and populate the tables in the script you turn in for grading.