

Assignment 9 -Views and Triggers (2% of total grade)

Format: Upload your assignment file to Blackboard (under ASSESSMENTS & TOOLS > Assignments > Database) to BlackBoard.

BE SURE TO PUT YOUR NAME IN THE FILENAME:

e.g. DB-Assign_9-YOURNAME-23F.doc

*Database: Module-9-petstore.sql database that has a new table called expenses and a columns (pay_per_hour) in the employees table.

Deliverables (1) SQL statements and screenshots of your results tables added to a PDF/MS Word file. Code that results in error without explanation will be deducted full points. If there is an error, provide a screenshot and explain your attempts to solve the error.

Purpose: To practice and understand the views and triggers using the Module-9-petstore.sql database.

Requirements: Add your name to the file: DB-Assign_9--YOURNAME-23F.doc

Part 1: Views. (1%)

A . The inventory department wants a list of low inventory items. Create a view with items that have 20 or less in stock Include category, item name and inventory

B: The manager has requested a list of all sales employees who have made sales. Create a view showing their name (first and last name) and total sales (in dollars) by descending order (highest sales at the top).

Part 2: Triggers (1%)

The data_log table has the following attributes (column names): log_id, timestamp, action, first_name, last_name, pay_per_hour.

Here is the SQL for the table to get you started:

```
CREATE TABLE data_log(  
    log_id INT(10) PRIMARY KEY AUTO_INCREMENT,  
    timestamp TIMESTAMP,
```

```
action VARCHAR(255),  
first_name VARCHAR(50),  
last_name VARCHAR(50),  
pay_per_hour DECIMAL(10,2));
```

Create a trigger that will log the change in a table of your choice - for example - employee's table. The trigger will log that change in the data_log table.

Part A : An update in a table will log that change in the data_log table

Part B : Deleting a row in a table will log that change in the data_log table