BA710

Module 8: Stored Procedures Assignment

10 Marks

Due Tuesday April 19th

**Deliverable details:**

Complete the SQL template.

Your source data must be loaded into a schema called ap\_demo.

**Question 1:**

Write a script that creates and calls a stored procedure named m8\_question\_1. This stored procedure should declare two variables to store (1) the count of all of the invoices in the Invoices table that have a balance due and (2) the sum of the balances due for all of those invoices. Use conditional logic to do one of the following:

* Generate a select that returns the two declared variables to the results grid (e.g., 10, $35,000), if the total balance is greater than or equal to $30,000 or
* If the total balance is less than $30,000 should display a result set that displays a message: **Total balance due is less than $30,000.**

Call the procedure.

**Question 2:**

Write a script that creates and calls a stored procedure named m8\_question\_2.

First, code a statement that creates a procedure that adds a new row to the General\_Ledger\_Accounts table in the AP\_DEMO schema. To do that, this procedure should have two parameters, one for each of the two columns in this table. Then, code a CALL statement that tests this procedure. (Note that this table doesn't allow duplicate account descriptions.)

Call the procedure.

**Question 3:**

Write a script that creates and calls a stored procedure named m8\_question\_3.

First, code a statement that creates a procedure that adds a new row to the Terms table in the AP\_DEMO schema. To do that, this procedure should have three parameters: one for the terms\_id column, the terms\_due\_days column the terms\_description column.

If the value for the description column is null, the stored procedure should be able to create a default value for the description column based on the value of the due days column. For example, for a due days column of 120, the description column should have a default value of ''Net due 120 days''.

CALL statements to test this procedure.

1) Call using term\_id=6, terms\_due\_days=120, terms\_description=”Net due 120 days”

2) Call using term\_id=7, terms\_due\_days=120, terms\_description=NULL

Select \* from the terms table.

**Question 4:**

Create a function called m8\_question\_4 that calculates the number of days between two date fields. Write a query that returns the result of the function using INVOICE\_DUE\_DATE and PAYMENT\_DATE from the INVOICES table.

Test the function using a select.

**Question 5:**

Create a function called m8\_question\_5 that concatenates the two fields separated by a comma and a space. Write a query that returns the result of the function using VENDOR\_CITY and VENDOR\_STATE separated by a comma from the VENDORS table. Results should look something like:

**Madison, WI**

Test the function using a select.