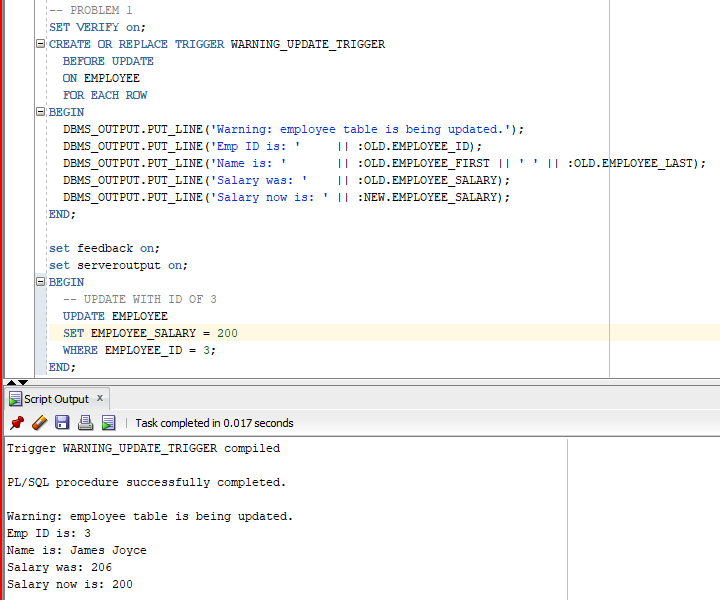
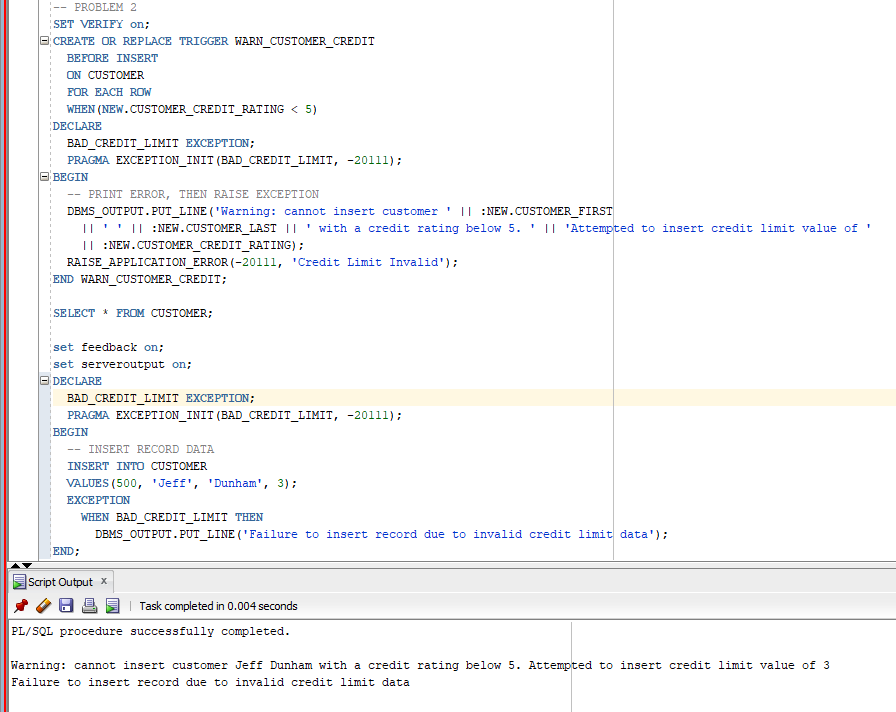
**CS 276 – Lab 8: Week 9 Trigger Exercises Name: Blake Bryant**

Run Week9.sql file found in the Moodle shell if you haven’t already done so. Once you completed this lab upload this file to the appropriate link in Moodle with the specified screen prints included.

1. Create a row-level trigger that will print out a warning message that a salary on the employee table has been updated. Employee number, name, old salary and new salary should be printed out. Test this trigger with an UPDATE on the of the employee\_salary column on the employee table. Below paste screen prints of the code for your trigger and the results of the test on the trigger.



1. Create a row-level trigger that will raise an application error to prevent insertion of a row to the customer table if the credit rating of the specified customer is below 5 (below average). Customer first and last name and credit rating should be printed out with a warning message that the credit rating is below 5. Note: Raising the error will throw the exception. You should assume that the module attempting to perform the INSERT handles the exception. Test this trigger with an INSERT on the customer table. You don’t have to handle the exception. You can just test with an INSERT statement. Below paste screen prints of the code for your trigger and the results of the test on the trigger.



1. Create a row-level trigger that will insert a row to the Purchase\_Audit table any time a record is updated OR inserted into the Purchase table. Included in this audit table (review the Week9 SQL file), is a who\_did\_this column which should indicate the username of the person that did the insert or update. Test this trigger twice. Once with an INSERT and once with an UPDATE of the Purchase Table. Below paste screen prints of the code for your trigger and the results of the two tests on the trigger.

