Assignment #2 –

**Due Date:** As per dropbox

**Purpose:** The purpose of this assignment is to help you:

1. Become familiar with Cursors, Exceptions, Procedures , Functions and Triggers

**Instructions**: Be sure to read the following general instructions carefully:

This assignment should be completed individually by all the students. Submit your solution **through the dropbox.** Your submission should include PL/SQL code the submission must be named according to the following rule: **studentID(yourlastname)\_Assignment#number.txt**. e.g., 300123456(**smith)\_Assignment#2**.txt

Upload your ascii text file to the Dropbox with .txt extension.

Your files must be in sql script format so that they can be run in SQL Developer and have DBMS\_OUTPUT.PUT\_LINE for presenting results.

Update database with script file(s) from `Student Data` of Oracle 11g: PL/SQL Programming -- Chapter 3.

Q1.Assignment 3-5: Using a WHILE Loop Brewbean’s wants to include a feature in its application that calculates the total amount (quantity) of a specified item that can be purchased with a given amount of money. Create a block with a WHILE loop to increment the item’s cost until the dollar value is met. Test first with a total spending amount of $100 and product ID 4. Then test with an amount and a product of your choice. Use initialized variables to provide the total spending amount and product ID.

Q2.Assignment 3-6: Working with IF Statements Brewbean’s calculates shipping cost based on the quantity of items in an order. Assume the quantity column in the BB\_BASKET table contains the total number of items in a basket. A block is needed to check the quantity provided by an initialized variable and determine the shipping cost. Display the calculated shipping cost onscreen. Test using the basket IDs 5 and 12, and apply the shipping rates listed in Table 3-3.

Q3.Assignment 3-7: Using Scalar Variables for Data Retrieval The Brewbean’s application contains a page displaying order summary information, including IDBASKET, SUBTOTAL, SHIPPING, TAX, and TOTAL columns from the BB\_BASKET table. Create a PL/SQL block with scalar variables to retrieve this data and then display it onscreen. An initialized variable should provide the IDBASKET value. Test the block using the basket ID 12.

TABLE 3-3 Shipping Charges

Quantity of Items Shipping Cost

>Up to 3 $5.00

>4–6$7.50

>7–10 $10.00

>More than 10 $12.00

Q4.Assignment 3-8: Using a Record Variable for Data Retrieval The Brewbean’s application contains a page displaying order summary information, including IDBASKET, SUBTOTAL, SHIPPING, TAX, and TOTAL columns from the BB\_BASKET table. Create a PL/SQL block with a record variable to retrieve this data and display it onscreen. An initialized variable should provide the IDBASKET value. Test the block using the basket ID 12.

Case 2:

Q5.Case 3-2: Working with More Movie Rentals The More Movie Rental Company is developing an application page that displays the total number of times a specified movie has been rented and the associated rental rating based on this count. Table 3-4 shows the rental ratings.

Create a block that retrieves the movie title and rental count based on a movie ID provided via an initialized variable. The block should display the movie title, rental count, and rental rating onscreen. Add exception handlers for errors you can and can’t anticipate. Run the block with movie IDs of 4 and 25.

TABLE 3-4 Movie Rental Ratings

Number of Rentals Rental Rating

Up to 5 Dump

5–20 Low

21–35 Mid

More than 35 High