

## Exercises:

Consider the Customer, product tables created on Day5, In addition create a new table Customer\_Purchase (Cust\_Id, Product\_ID, Quantity, Price, Purchase\_date)

1. From the table Customer\_Purchase, for the purchase details of the product having RED\_FLAG = 'TRUE' in products table.
  - i. Delete the purchase details.
  - ii. Print the number of employees deleted.
2. Using Cursor display all the product\_name and cost in the products table which have been purchased frequently in the last month.
3. Create a procedure which accepts Product\_ID as input. In the procedure block use parameterized cursor to print a message (Dear <Cust\_Name>, you have won a gift coupon of Rs. 500 for the purchase made on <Purchase\_date>) for the customers who bought the product in the last month.
4. Create two procedures, In the first procedure find the customers who have made purchase more than 5000 and pass them to a second procedure using Ref-cursor and in the second procedure print a message (Dear <Cust\_Name>, you have won a gift coupon of Rs. <Gift\_Amount>). Condition for Gift\_Amount is  $\text{<Purchase\_Amount>/10}$  and round it to hundreds, Maximum gift amount should be Rs.500.
5. Create a procedure which takes customer\_id as input and deletes all the customer\_purchase detail. If the input customer\_id is null then delete for the invalid customers. Criteria for the invalid customers are,
  - i) Customers who have not done any purchase in last 60 days.

Use Collection variables and bulk collect to delete the records. If possible use the save exception option to capture and throw the exceptions.

6. Create a Simple Row Level Trigger which will call the above procedure when a customer is deleted from customers table.
7. Create a trigger which will insert new customers data into customer table when a insert happens in Customer\_Purchase table and also it should update the last\_purchase\_date in the products table if the purchase\_quantity is more than one.
8. Create a log table to track the transactions happening in Customer\_Purchase table, log inserts/update and delete into the log table.
9. Try to create a scenario on mutating triggers.