**Problem Statement 1**

You are working on a project of Online Shopping Application. You are responsible for creating and managing database. Here are few following requirements you will have to fulfill.

1. Create a schema OnlineShop
2. Create a table object for OnlineShop schema. Name of table is Product.
   1. Prod\_id - primary key auto incremented (identity)
   2. Prod\_name
   3. Prod\_price
   4. Prod\_Category
   5. Prod\_Description
3. Create a table object for OnlineShop schema. Name of table is Customer.
   1. cust\_id - primary (sequence)
   2. cust\_name
   3. cust\_address
   4. cust\_Phone
   5. cust\_Email

Create **sequence** for providing proper sequence to cust\_id

1. Create a trigger associated with Customer table. This trigger should insert data into a table customer\_audit. Whenever customer inserting, deleting and updating information , all chages should be inserted into customer\_audit table
2. Create a table by name purchase
   1. Purchase\_id primary key auto
   2. Purchase\_date
   3. Product\_id
   4. Product\_price
   5. Product\_quantity
   6. Cust\_Id

Create a trigger for this table by name updateOrderTable.

When any new purchase will be done Ordertable should get generated using trigger.

OrderTable will have following fields

1. Order\_id primary key
2. Order\_Date
3. Product\_ID
4. Cust\_Id
5. Order\_Price (Can use user define function)

**Problem Statement 2**

Create a table for Registration form. Registration form will have following fields

Employee\_id int primary key,

Emplyee\_Name varchar(20),

Employee\_Address varchar(20),

Employee\_Username varchar(20),

Employee\_Password varchar(20),

Employee\_YearOfBirth int

Employee\_Age int -- (Age should be derived attribute.)

Create a function in order to calculate age.

Age value should be entered using value returned from function.

Create table LoginInfo which will have following fields

Id int

Emplyee\_Name varchar(20),

Employee\_Username varchar(20),

Employee\_Password varchar(20)

This table should be updated with inserting data into Registration table.