Hướng dẫn bài tập Assignment 5 – SQL2012

1. Create database named **Ass5_db** with the following specifications :
   a. Primary file group with the data file **Ass5.mdf**. The size, maximum size, and file growth should be 5, 5, and 10% respectively.
   b. Log file **Ass5_lg.ldf.** The size, maximum size, and file growth should be 2, 2, and 10% respectively.

2. Create the following tables :

   tbCustomer (**CUSTID**, FullName, Address, Phone)

   tbCategory (**CATID**, CatName)

   tbProduct (**PROID**, ProName, UnitPrice, Unit, **CATID**)
   //UnitPrice: not null, must be in range [1,200]

   tbOrder (**ORDERID**, OrderDate, Comment, **CUSTID**)
   //ORDERID: identity(300,1)
   //OrderDate: default is current date

   tbOrderDetail (**ORDERID, PROID**, Quantity)
   // Quantity: default is 1
   // OrderID, ProID : foreign keys
   // OrderID + ProID : primary key

3. Insert some data into the above tables.
   3a. tbCustomer

CustID	FullName	Address	Phone
C01	Lyly Tran	No Trang Long	113
C02	Alex Pham	Nguyen Trai	911
C03	Rose Nguyen	Pham ngu Lao	1080
C04	Alan Pham	Nguyen Tri Phuong	118

   3b. tbCategory

CatID	Catname
FO	Food
BE	Beverage
OT	Other

3c. tbProduct

ProID	ProName	UnitPrice	Unit	CatID
P01	Coca Cola	2.5	can	BE
P02	Beer 333	4	can	BE
P03	Chocalate	9	pack	FO
P04	Chocopie Cake	4	pack	F0
P05	Cheese	10	pack	F0
P06	Sampoo	8	bottle	OT

3d. tbOrder

OrderID	OrderDate	Comment	CustID
300	30-08-2014	Nothing	C01
301	31-10-2014	Nothing	C01
302	07-11-2014	Nothing	C03
303	07-11-2014	Nothing	C02

3e. tbOrderDetail

OrderID	ProID	Quantity
300	P01	3
300	P03	1
301	P02	8
301	P03	1
301	P05	15
302	P06	5
303	P02	4

4. Write T-SQL script to query the following :
   4a. display list of customers
   4b. display list of products, order by unit-price
   4c. display list of orders including orderid, order-date, customer name, product name, quantity, unit, unit price, amount.
   4d. display list of products belonged to category FO.
   4e. count products belonged to each category.
   4f. display detail of customer in the order having order number is 302.
   4g. display list of orders having more than two items.
   4h. display the top two best-selling products (accounting for quantity)