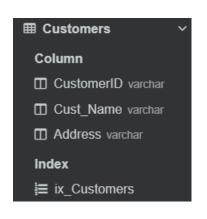
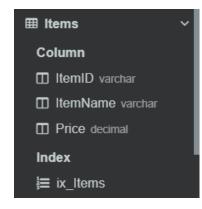
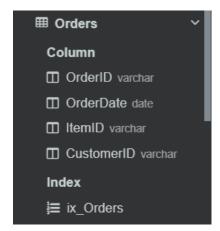
GACILO, ARIEL JERICKO BSIT A501 ADVANCED DATABASE SYSTEMS 02 HANDS-ON ACTIVITY 1

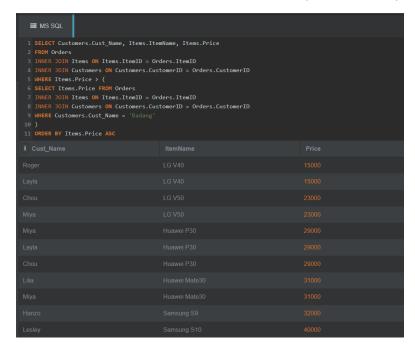






```
1 CREATE INDEX ix_Customers ON Customers(CustomerID, Cust_Name)
2 CREATE INDEX ix_Orders ON Orders(OrderID, CustomerID)
3 CREATE INDEX ix_Items ON Items(ItemID, ItemName)
```

CREATING INDEXES (CUSTOMER, ITEMS, ORDERS)



Creating subquery that will return the customer who purchased an item that is more expensive than Badangs.

1 SELECT 'Lab_' + Orders.OrderID AS 'New OrderID', Customers.Cust_Name, Customers.Address, Items.ItemName, Items.Price FROM Orders 2 INNER JOIN Litems ON Items.ItemID = Orders.ItemID orders.CustomerID = Orders.CustomerID 4 WHERE Items.Price > (5 SELECT Items.Price FROM Orders 6 INNER JOIN Items ON Items.ItemId = Orders.ItemID 7 INNER JOIN Customers ON Customers.CustomerID = Orders.CustomerID 8 WHERE Customers.Cust_Name = 'Badang' 9 10 ORDER BY Items.Price ASC							
New OrderID	Cust_Name			Price			
Lab_OR-6							
Lab_OR-21							
Lab_OR-4							
Lab_OR-9				23000			
Lab_OR-2				29000			
Lab_OR-10				29000			
Lab_OR-18				29000			
Lab_OR-8				31000			
Lab_OR-12							
Lab_OR-15							
Lab_OR-7							

Create a subquery in the Select clause that will add a temporary column named 'New OrderID' and modify the returning character/text of OrderId to 'Lab OR-##'

≣ MS SQL							
1 CREATE VIEW Subqueries_View 2 AS SELECT 'Lab,' + Orders.OrderID AS 'New OrderID', Customers.Cust_Name, Customers.Address, Items.ItemName, Items.Price FROW Orders 3 INNER JOIN Items ON Items.Orders.CustomerID = Orders.CustomerID 4 INNER JOIN Customers ON Customers.CustomerID = Orders.CustomerID 5 MHERE Items.Price > (6 SELECT Items.Price FROW Orders 7 INNER JOIN Items ON Items.ItemId = Orders.ItemID 8 INNER JOIN Customers ON Customers.CustomerID = Orders.CustomerID 9 MHERE Customers.Cust_Name = 'Badang' 10) 11 SELECT * FROM Subqueries_View 12 MHERE Address 13 IN ('Laguna', 'Taguig', 'Navotas')							
New OrderID	Cust_Name			Price			
Lab_OR-2				29000			
Lab_OR-4				23000			
Lab_OR-7				40000			
Lab_OR-9				23000			
Lab_OR-10				29000			
Lab_OR-12				31000			
Lab_OR-15				32000			
Lab_OR-18				29000			
Lab_OR-21	Layla	Laguna	LG V40	15000			

Using IN operator, create a query that retrieves all the data with returning addresses Laguna, Taguig and Navotas from the newly created view.