## Tor Thogersen

## DBA 232

## Lab 4

1) Create a non-clustered index on the HireDate column of the HumanResources.Employee table.



USE [AdventureWorks2012]

GO

CREATE NONCLUSTERED INDEX [NonClusteredIndex-HireDate] ON [HumanResources].[Employee]

(

[HireDate] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

GO

2) Create a filtered index on the TerritoryID of the Sales.Customer table for the TerritoryID 5.



USE [AdventureWorks2012]

GO

CREATE NONCLUSTERED INDEX [NonClusteredIndex-TerritoryID\_5] ON [Sales].[Customer]

(

[TerritoryID] ASC

)

WHERE TerritoryID ='5'

WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON)

GO

3) Create a non-clustered cover index on the SalesOrderID column of the Sales.SalesOrderDetail, including ProductID, OrderQty, and LineTotal coulmns. Set the FILLFACTOR = 50%.



USE [AdventureWorks2012]

GO

CREATE NONCLUSTERED INDEX [NonClusteredIndex-SalesOrderID\_Covering] ON [Sales].[SalesOrderDetail]

(

[SalesOrderID] ASC

)

INCLUDE ( [OrderQty],

[ProductID],

[LineTotal]) WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, SORT\_IN\_TEMPDB = OFF, DROP\_EXISTING = OFF, ONLINE = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, FILLFACTOR = 50)

GO

4) Create a non-clustered columnstore index on the SellStartDate and SellEndDate columns of the Production.Product table.



USE [AdventureWorks2012]

GO

CREATE NONCLUSTERED COLUMNSTORE INDEX [NonClusteredColumnStoreIndex-SellStartEndDate] ON [Production].[Product]

(

[SellStartDate],

[SellEndDate]

)WITH (DROP\_EXISTING = OFF)

GO