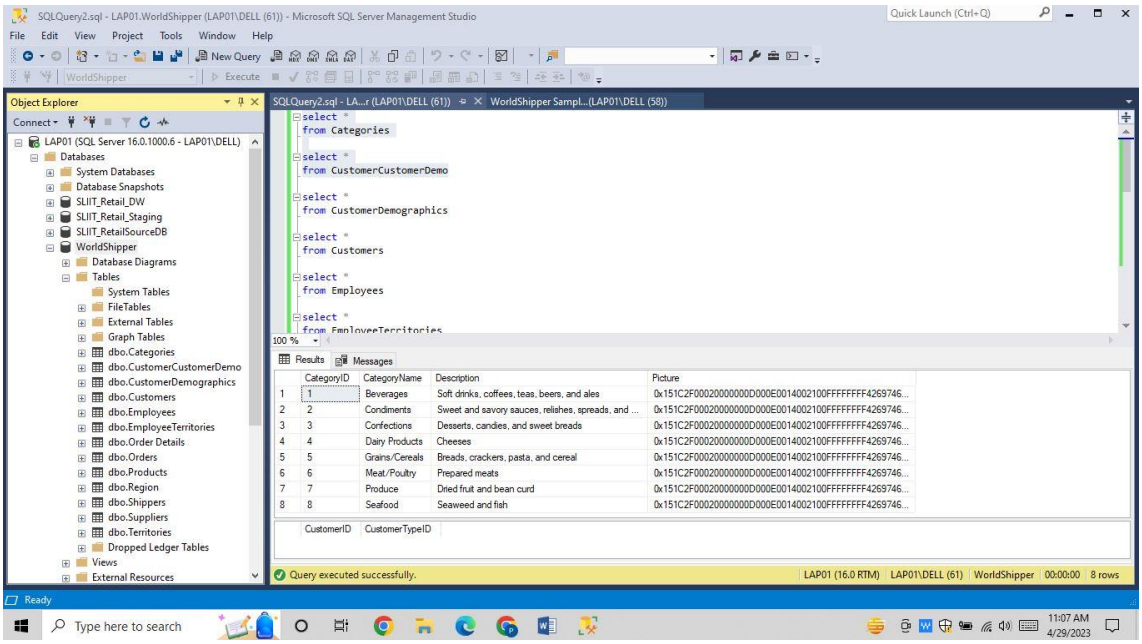
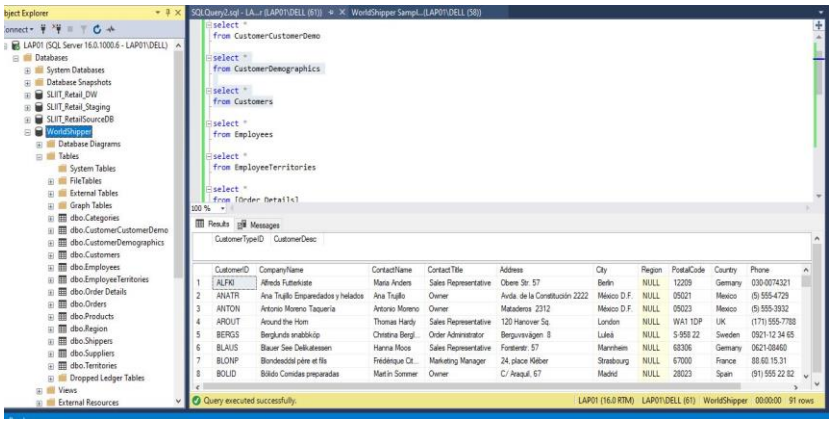
DWBI Assignment

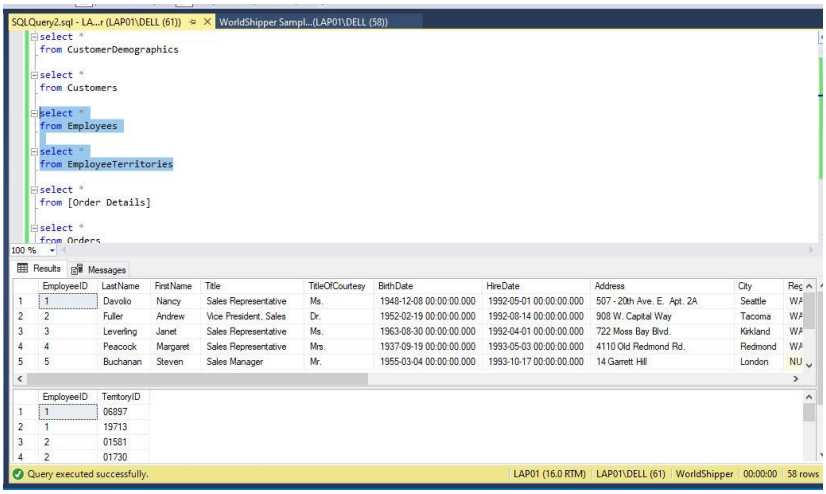
IT21007538 – P.W.Maddumage

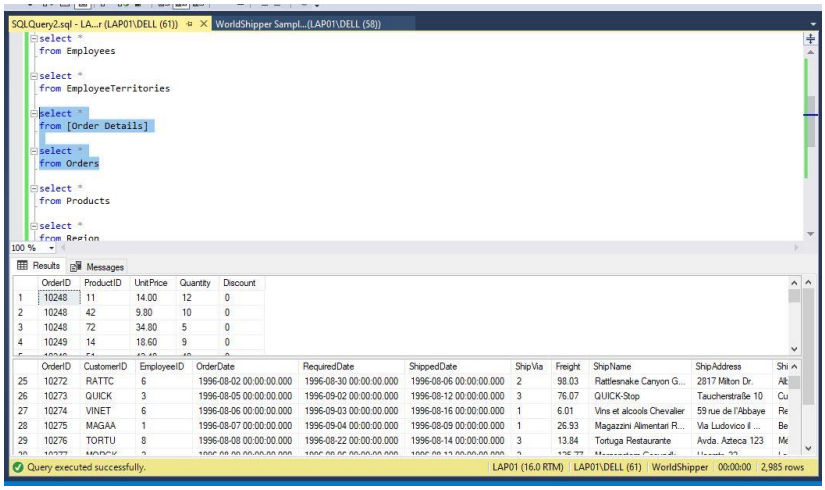
Data Science Specialization - Weekday batch

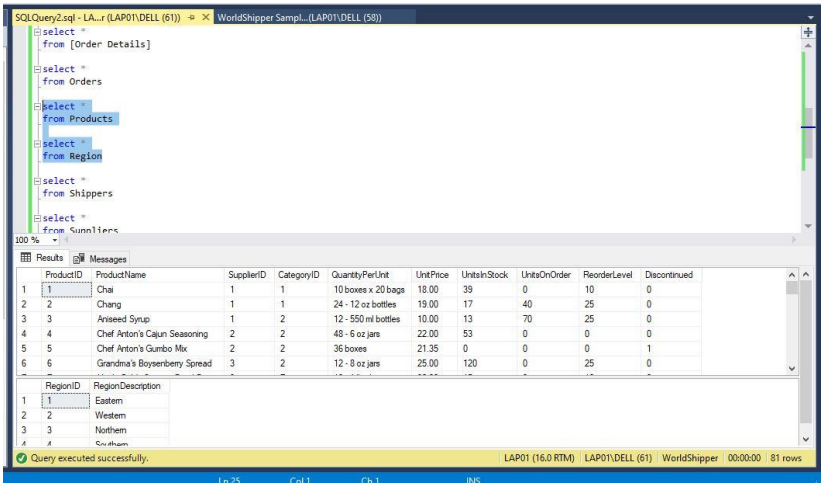
Step 1

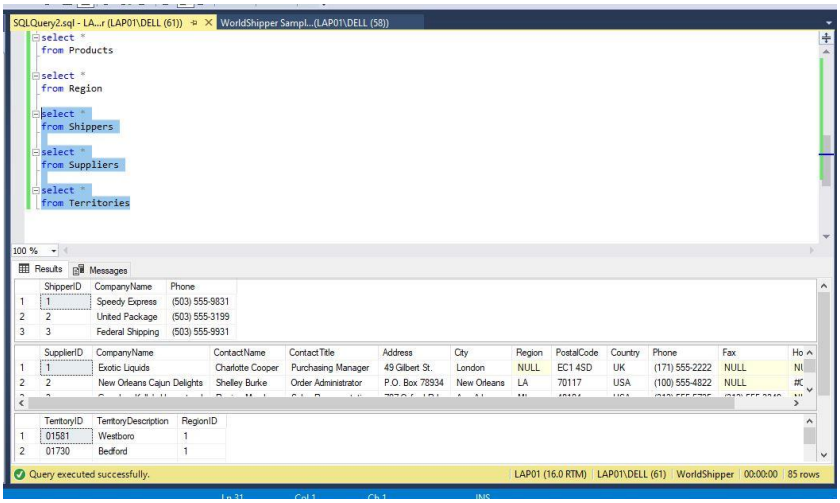




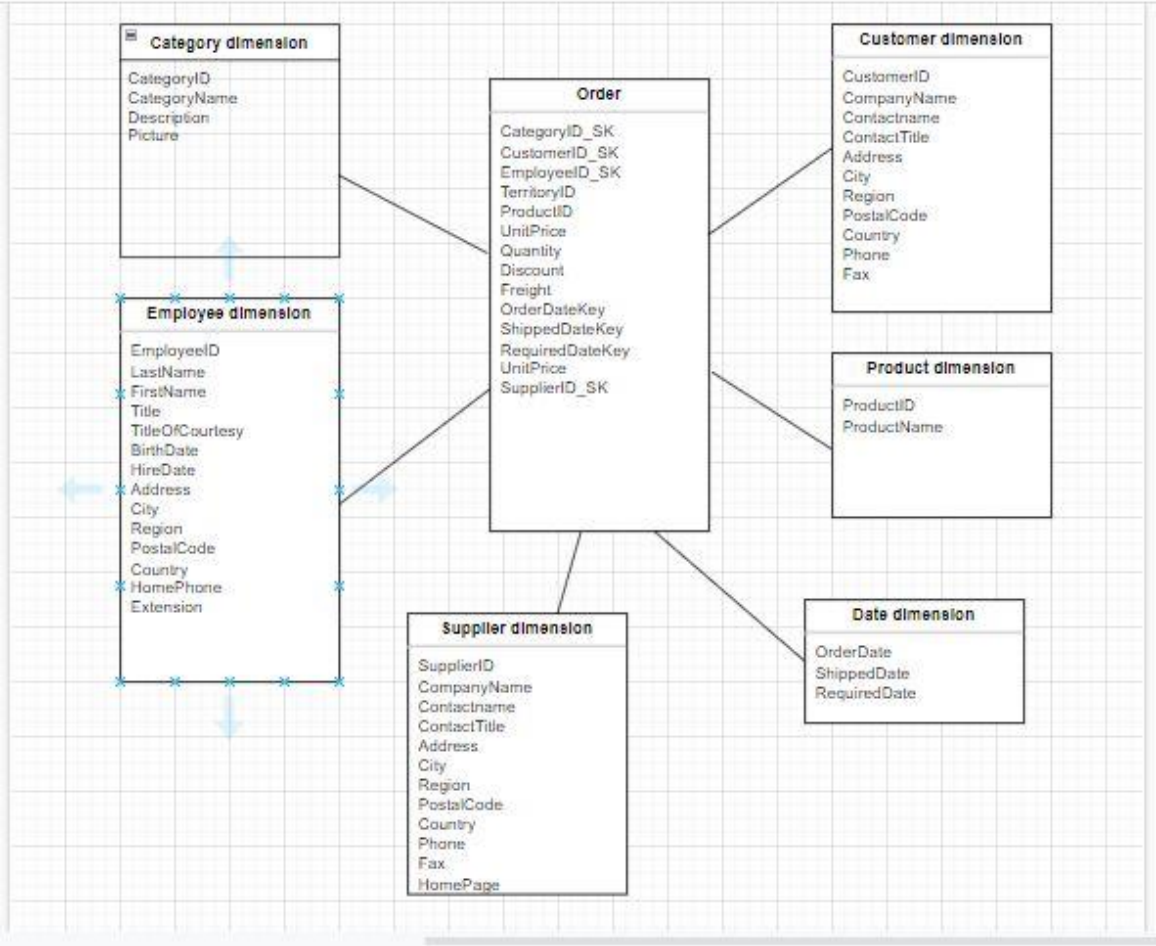



SQLQuery2.sql - LA...r (LAP01\DELL (61))
WorldShipper Sampl...(LAP01\DELL (58))
select *
from Employees
select *
from EmployeeTerritories
select *
from [Order Details]
select *
from Orders
select *
from Products
select *
from Region
Results
Messages
Query executed successfully.
LAP01 (16.0 RTM)
LAP01\DELL (61)
WorldShipper
00:00:00
2,985 rows

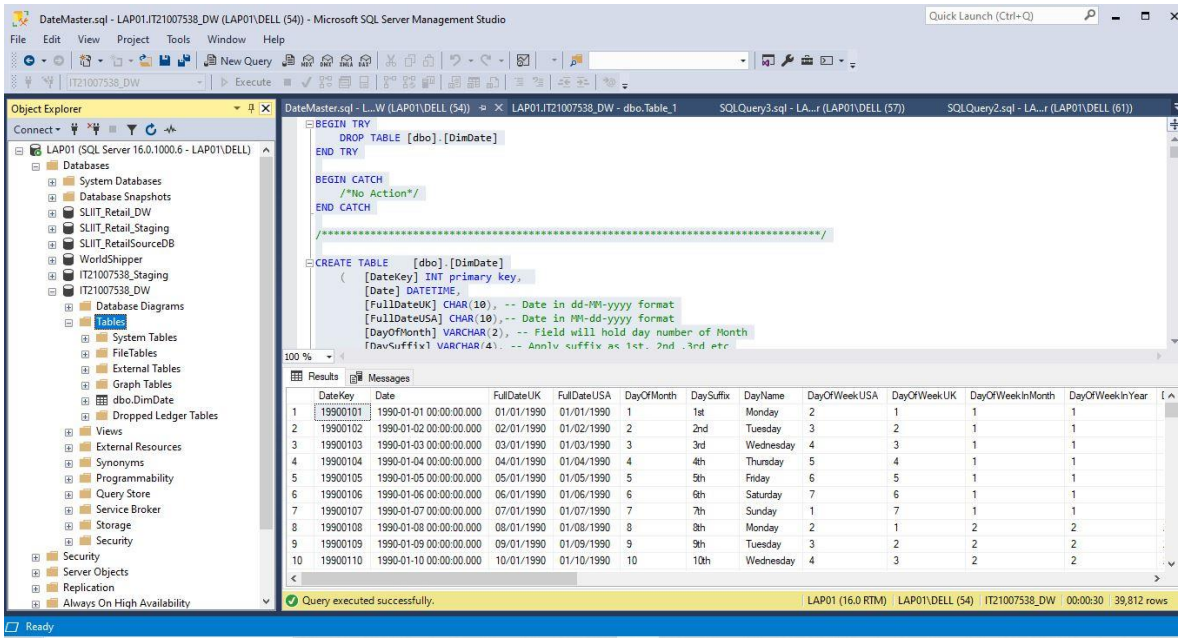

SQLQuery2.sql - LA...r (LAP01\DELL (61))
WorldShipper Sampl...(LAP01\DELL (58))
select *
from [Order Details]
select *
from Orders
select *
from Products
select *
from Region
select *
from Shippers
select *
from Suppliers
Results
Messages
Query executed successfully.
LAP01 (16.0 RTM)
LAP01\DELL (61)
WorldShipper
00:00:00
81 rows

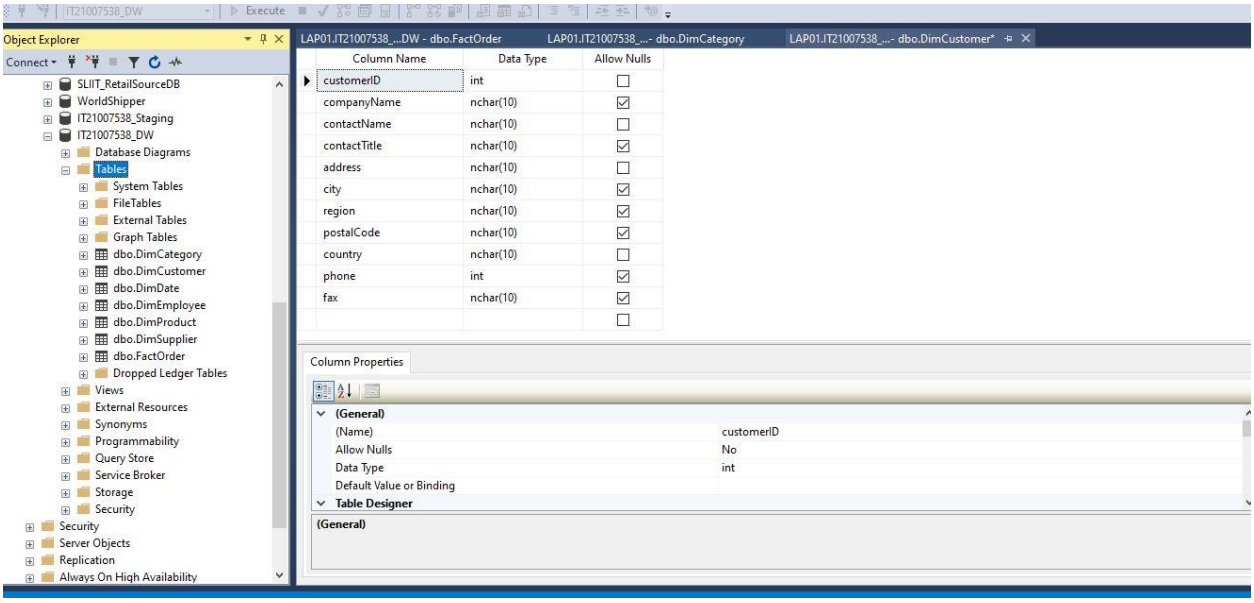

SQLQuery2.sql - LA...r (LAP01\DELL (61))
WorldShipper Sampl...(LAP01\DELL (58))
select *
from Products
select *
from Region
select *
from Shippers
select *
from Suppliers
select *
from Territories
Results
Messages
Query executed successfully.
LAP01 (16.0 RTM)
LAP01\DELL (61)
WorldShipper
00:00:00
85 rows

Step 2

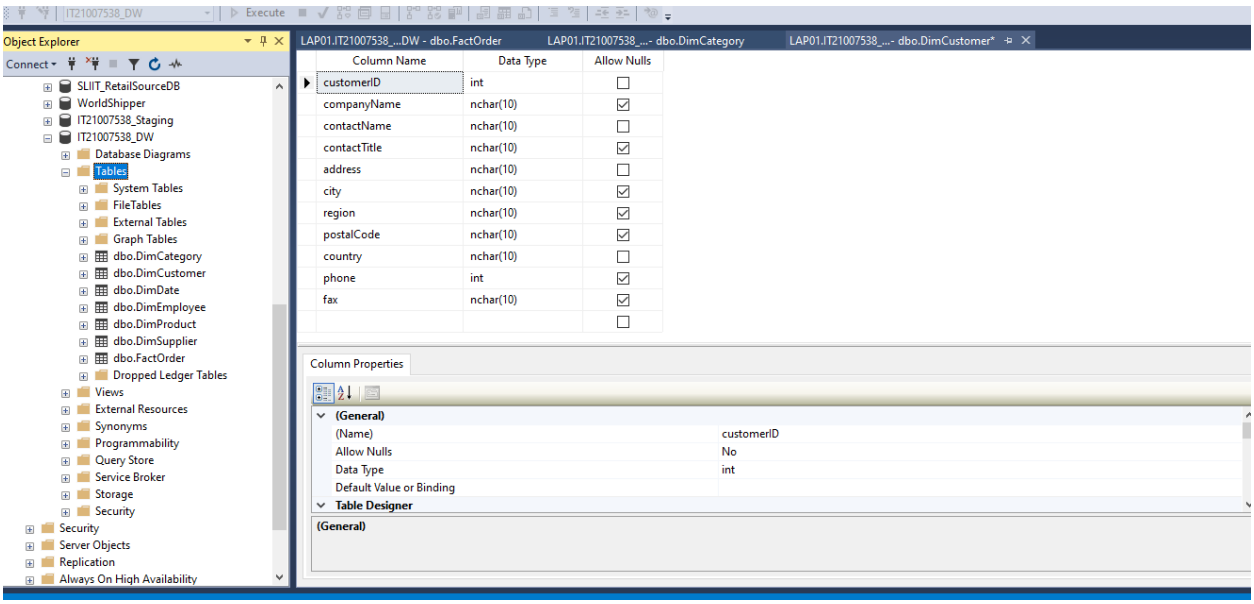

Category dimension
CategoryID
CategoryName
Description
Picture
Order
CategoryID_SK
CustomerID_SK
EmployeeID_SK
TerritoryID
ProductID
UnitPrice
Quantity
Discount
Freight
OrderDateKey
ShippedDateKey
RequiredDateKey
UnitPrice
SupplierID_SK
Customer dimension
CustomerID
CompanyName
Contactname
ContactTitle
Address
City
Region
PostalCode
Country
Phone
Fax
Employee dimension
EmployeeID
LastName
FirstName
Title
TitleOfCourtesy
BirthDate
HireDate
Address
City
Region
PostalCode
Country
HomePhone
Extension
Product dimension
ProductID
ProductName
Supplier dimension
SupplierID
CompanyName
Contactname
ContactTitle
Address
City
Region
PostalCode
Country
Phone
Fax
HomePage
Date dimension
OrderDate
ShippedDate
RequiredDate

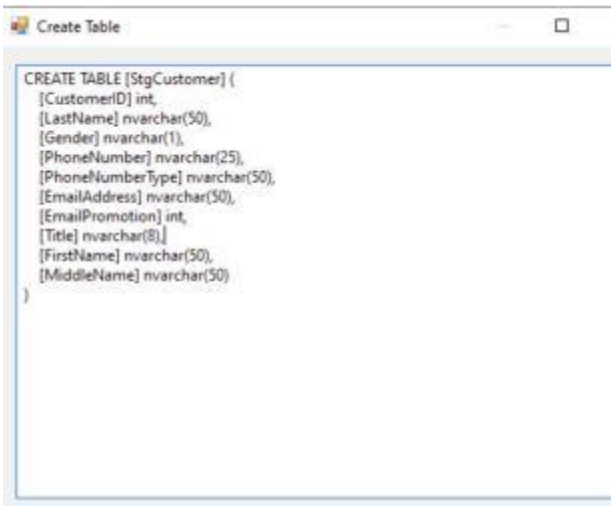
Step 3


DateMaster.sql - LAP01.IT21007538_DW (LAP01\DELL (54)) - Microsoft SQL Server Management Studio
File Edit View Project Tools Window Help
New Query
Execute
Object Explorer
Connect
LAP01 (SQL Server 16.0.1000.6 - LAP01\DELL)
Databases
System Databases
Database Snapshots
SLIIT_Retail_DW
SLIIT_Retail_Staging
SLIIT_RetailSourceDB
WorldShipper
IT21007538_Staging
IT21007538_DW
Database Diagrams
Tables
System Tables
FileTables
External Tables
Graph Tables
dbo.DimDate
Dropped Ledger Tables
Views
External Resources
Synonyms
Programmability
Query Store
Service Broker
Storage
Security
Security
Server Objects
Replication
Always On High Availability
DateMaster.sql - L...W (LAP01\DELL (54))
LAP01.IT21007538_DW - dbo.Table_1
SQLQuery3.sql - LA...r (LAP01\DELL (57))
SQLQuery2.sql - LA...r (LAP01\DELL (61))
BEGIN TRY
DROP TABLE [dbo].[DimDate]
END TRY
BEGIN CATCH
/*No Action*/
END CATCH
/***/
CREATE TABLE [dbo].[DimDate]
([DateKey] INT primary key,
[Date] DATETIME,
[FullDateUK] CHAR(10), -- Date in dd-MM-yyyy format
[FullDateUSA] CHAR(10),-- Date in MM-dd-yyyy format
[DayOfMonth] VARCHAR(2), -- Field will hold day number of Month
[DaySuffix] VARCHAR(4), -- Apply suffix as 1st, 2nd ,3rd etc
Results
Messages
DateKey Date FullDateUK FullDateUSA DayOfMonth DaySuffix DayName DayOfWeekUSA DayOfWeekUK DayOfWeekInMonth DayOfWeekInYear
1 19900101 1990-01-01 00:00:00.000 01/01/1990 01/01/1990 1 1st Monday 2 1 1 1
2 19900102 1990-01-02 00:00:00.000 02/01/1990 01/02/1990 2 2nd Tuesday 3 2 1 1
3 19900103 1990-01-03 00:00:00.000 03/01/1990 01/03/1990 3 3rd Wednesday 4 3 1 1
4 19900104 1990-01-04 00:00:00.000 04/01/1990 01/04/1990 4 4th Thursday 5 4 1 1
5 19900105 1990-01-05 00:00:00.000 05/01/1990 01/05/1990 5 5th Friday 6 5 1 1
6 19900106 1990-01-06 00:00:00.000 06/01/1990 01/06/1990 6 6th Saturday 7 6 1 1
7 19900107 1990-01-07 00:00:00.000 07/01/1990 01/07/1990 7 7th Sunday 1 7 1 1
8 19900108 1990-01-08 00:00:00.000 08/01/1990 01/08/1990 8 8th Monday 2 1 2 2
9 19900109 1990-01-09 00:00:00.000 09/01/1990 01/09/1990 9 9th Tuesday 3 2 2 2
10 19900110 1990-01-10 00:00:00.000 10/01/1990 01/10/1990 10 10th Wednesday 4 3 2 2
Query executed successfully.
LAP01 (16.0 RTM) LAP01\DELL (54) IT21007538_DW 00:00:30 39,812 rows
Ready



Created all the dimensions and fact table in IT21007538_DW database




Create Table
CREATE TABLE [StgCustomer] (
[CustomerID] int,
[LastName] nvarchar(50),
[Gender] nvarchar(1),
[PhoneNumber] nvarchar(25),
[PhoneNumberType] nvarchar(50),
[EmailAddress] nvarchar(50),
[EmailPromotion] int,
[Title] nvarchar(8),
[FirstName] nvarchar(50),
[MiddleName] nvarchar(50)
)