**Project number 1**

**Lidor Aviv**

Create Database Sales

Use Sales

Create Schema Sales

Create Table Sales.SalesOrderDetail (

SalesOrderID int not null,

SalesOrderDetailID int not null,

Primary key (SalesOrderID, SalesOrderDetailID),

CarrierTrackingNumber nvarchar(25) null,

OrderQty smallint not null,

Productid int not null,

SpecialOfferID int not null,

UnitPrice money not null,

UnitPriceDiscount money not null,

LineTotal numeric(38,6) not null,

Rowguid uniqueidentifier not null,

ModifiedDate datetime not null)

--Drop Table Sales.SalesOrderDetail

--select \*

--from sales.SalesOrderDetail

Create Table Sales.SalesOrderHeader(

SalesOrderId int primary key not null,

RevisionNumber tinyint not null,

OrderDate datetime not null,

DueDate datetime not null,

ShipDate datetime null,

Status tinyint not null,

OnlineOrderFlag bit not null,

SalesOrderNumber nvarchar(25) not null,

PurchaseOrderNumber nvarchar(25) null,

AccountNumber nvarchar(15) null,

CustomerID int not null,

SalesPersonID int null,

TerritoryID int null,

BillToAddressID int not null,

ShipToAddressID int not null,

ShipMethodID int not null,

CreditCardID int null,

CreditCardApprovalCode varchar(15) null,

CurrencyRateID int null,

SubTotal money not null,

TaxAmt money not null,

Freight money not null,

TotalDue money not null,

Comment nvarchar(128) null,

rowguid uniqueidentifier not null,

ModifiedDate datetime not null)

--Drop Table Sales.SalesOrderHeader

--select \*

--from sales.SalesOrderHeader

Create Table Sales.CurrencyRate(

CurrencyRateID int primary key not null,

CurrencyRateDate datetime not null,

FromCurrencyCode nchar(3) not null,

ToCurrencyCode nchar(3) not null,

AverageRate money not null,

EndOfDayRate money not null,

ModifiedDate datetime not null)

--Drop Table Sales.CurrencyRate

--select \*

--from sales.CurrencyRate

Create Table Sales.SpecialOfferProduct(

SpecialOfferID int not null,

ProductID int not null,

primary key (SpecialOfferID, ProductID),

rowguid uniqueidentifier not null,

ModifiedDate datetime not null)

--Drop Table Sales.SpecialOfferProduct

--select \*

--from sales.SpecialOfferProduct

Create Table Sales.CreditCard(

CreditCardID int primary key not null,

CardType nvarchar(50) not null,

CardNumber nvarchar(25) not null,

ExpMonth tinyint not null,

ExpYear smallint not null,

ModifiedDate datetime not null)

--Drop Table Sales.CreditCard

--select \*

--from sales.CreditCard

Create Table Sales.SalesPerson (

BusinessEntityID int primary key not null,

TerritoryID int null,

SalesQuota money null,

Bonus money not null,

Commissionpct smallmoney not null,

SalesYTD money not null,

SalesLastYear money not null,

rowguid uniqueidentifier not null,

ModifiedDate datetime not null)

--Drop Table Sales.SalesPerson

--select \*

--from Sales.SalesPerson

Create Table Sales.SalesTerritory(

TerritoryID int primary key not null,

Name nvarchar(50) not null,

CountryRegionCode nvarchar(3) not null,

[Group] nvarchar(50) not null,

SalesYTD money not null,

SalesLastYear money not null,

CostYTD money not null,

CostLastYear money not null,

rowguid uniqueidentifier not null,

ModifiedDate datetime not null)

--Drop Table Sales.SalesTerritory

--select \*

--from sales.SalesTerritory

Create Table Sales.Customer (

CustomerID int primary key not null,

PersonID int null,

StoreID int null,

TerritoryID int null,

AccountNumber varchar(10) not null,

rowguid uniqueidentifier not null,

ModifiedDate datetime not null)

--Drop Table Sales.Customer

--select \*

--from sales.Customer

Create Schema Person

Create Table Person.Address (

AddressID int primary key not null,

AddressLine1 nvarchar(60) not null,

AddressLine2 nvarchar(60) null,

City nvarchar(30) not null,

StateProvinceID int not null,

PostalCode nvarchar(15) not null,

SpatialLocation geography null,

rowguid uniqueidentifier not null,

MedifiedDate datetime not null)

--Drop Table Person.Address

--select \*

--from person.address

Create Schema Purchasing

Create Table Purchasing.ShipMethod(

ShipMethodID int primary key not null,

Name nvarchar(50) not null,

ShipBase money not null,

ShipRate money not null,

rowguid uniqueidentifier not null,

ModifiedDater datetime not null)

--Drop Table Purchasing.ShipMethod

--select \*

--from Purchasing.ShipMethod

Alter Table Sales.Customer

Add Foreign Key (TerritoryID)

References Sales.SalesTerritory(TerritoryID)

Alter Table Sales.SalesOrderHeader

Add Foreign Key (CustomerID)

References Sales.Customer (CustomerID)

Alter Table Sales.SalesOrderHeader

Add Foreign Key (TerritoryID)

References Sales.SalesTerritory(TerritoryID)

Alter Table Sales.SalesOrderHeader

Add Foreign Key (SalesPersonID)

References Sales.SalesPerson (BusinessEntityID)

Alter Table Sales.SalesOrderHeader

Add Foreign Key (CreditCardID)

References Sales.CreditCard(CreditCardID)

Alter Table Sales.SalesOrderHeader

Add Foreign Key (ShipMethodID)

References Purchasing.ShipMethod(ShipMethodID)

Alter Table Sales.SalesOrderHeader

Add Foreign Key(CurrencyRateID)

References Sales.CurrencyRate(CurrencyRateID)

Alter Table Sales.SalesOrderDetail

Add Foreign Key(SalesOrderID)

References Sales.SalesOrderheader(SalesOrderID)

Alter Table Sales.SalesOrderDetail

Add Foreign Key(SpecialOfferID,ProductID)

References Sales.SpecialOfferProduct(SpecialOfferID, ProductID)

Alter Table Sales.SalesOrderHeader

Add Foreign Key(ShipToAddressID)

References Person.Address(AddressID)

Alter Table Sales.SalesOrderHeader

Add Foreign Key (BillToAddressID)

References Person.Address(AddressID)

Alter Table Sales.Sales.Customer

Add Foreign Key(TerritoryID)

References Sales.SalesTerritory(TerritoryID)

Insert Into Sales.Person.Address (AddressID,AddressLine1,AddressLine2,City,StateProvinceID,PostalCode,SpatialLocation,rowguid,MedifiedDate)

Select AddressID,AddressLine1,AddressLine2,City,StateProvinceID,PostalCode,SpatialLocation,rowguid,ModifiedDate

From AdventureWorks2019.Person.Address

Insert Into Sales.Purchasing.ShipMethod (ShipMethodID,Name,ShipBase,ShipRate,rowguid,ModifiedDater)

Select ShipMethodID,Name,ShipBase,ShipRate,rowguid,ModifiedDate

From AdventureWorks2019.Purchasing.ShipMethod

Insert Into Sales.Sales.CreditCard (CreditCardID,CardType,CardNumber,ExpMonth,ExpYear,ModifiedDate)

Select CreditCardID,CardType,CardNumber,ExpMonth,ExpYear,ModifiedDate

From AdventureWorks2019.Sales.CreditCard

Insert Into Sales.Sales.CurrencyRate (CurrencyRateID,CurrencyRateDate, FromCurrencyCode,ToCurrencyCode,AverageRate,EndOfDayRate,ModifiedDate)

Select CurrencyRateID,CurrencyRateDate, FromCurrencyCode,ToCurrencyCode,AverageRate,EndOfDayRate,ModifiedDate

From AdventureWorks2019.Sales.CurrencyRate

Insert Into Sales.Sales.SalesPerson(BusinessEntityID,TerritoryID,SalesQuota,Bonus,Commissionpct,SalesYTD,SalesLastYear,rowguid,ModifiedDate)

Select BusinessEntityID,TerritoryID,Salesquota,Bonus,Commissionpct,SalesYTD,SalesLastYear,rowguid,ModifiedDate

From AdventureWorks2019.Sales.SalesPerson

Insert Into Sales.Sales.Customer (CustomerID,PersonID,StoreID,TerritoryID,AccountNumber,rowguid,ModifiedDate)

Select CustomerID,PersonID,StoreID,TerritoryID,AccountNumber,rowguid,ModifiedDate

From AdventureWorks2019.Sales.Customer

Insert Into Sales.Sales.SalesTerritory (TerritoryID,Name,CountryRegionCode,[group],SalesYTD,SalesLastYear,CostYTD,CostLastYear,rowguid,ModifiedDate)

Select TerritoryID,Name,CountryRegionCode,[group],SalesYTD,SalesLastYear,CostYTD,CostLastYear,rowguid,ModifiedDate

From AdventureWorks2019.Sales.SalesTerritory

Insert Into Sales.Sales.SpecialOfferProduct (SpecialOfferID,ProductID,rowguid,ModifiedDate)

Select SpecialOfferID,ProductID,rowguid,ModifiedDate

From AdventureWorks2019.Sales.SpecialOfferProduct

Insert Into Sales.Sales.SalesOrderHeader (SalesOrderId,RevisionNumber,OrderDate,DueDate,ShipDate,[Status],OnlineOrderFlag,SalesOrderNumber,PurchaseOrderNumber,AccountNumber,CustomerID,SalesPersonID,TerritoryID,BillToAddressID,ShipToAddressID,ShipMethodID,CreditCardID,CreditCardApprovalCode,CurrencyRateID,SubTotal,Taxamt,Freight,TotalDue,Comment,rowguid,ModifiedDate)

Select SalesOrderId,RevisionNumber,OrderDate,DueDate,ShipDate,[Status],OnlineOrderFlag,SalesOrderNumber,PurchaseOrderNumber,AccountNumber,CustomerID,SalesPersonID,TerritoryID,BillToAddressID,ShipToAddressID,ShipMethodID,CreditCardID,CreditCardApprovalCode,CurrencyRateID,SubTotal,Taxamt,Freight,TotalDue,Comment,rowguid,ModifiedDate

From AdventureWorks2019.Sales.SalesOrderHeader

Insert Into Sales.Sales.SalesOrderDetail(SalesOrderID,SalesOrderDetailID,CarrierTrackingNumber,OrderQty,Productid,SpecialOfferID,UnitPrice,UnitPriceDiscount,LineTotal,rowguid,ModifiedDate)

Select SalesOrderID,SalesOrderDetailID,CarrierTrackingNumber,OrderQty,Productid,SpecialOfferID,UnitPrice,UnitPriceDiscount,LineTotal,rowguid,ModifiedDate

From AdventureWorks2019.Sales.SalesOrderDetail