/\*MEMBUAT DATABASE BlueComputerStore\*/

CREATE DATABASE OLTP;

GO

USE OLTP;

/\*TABEL MsEmployee\*/

CREATE TABLE MsEmployee

(

EmployeeID int identity primary key,

EmployeeName VARCHAR(100),

EmployeeAddress VARCHAR(255),

EmployeePhone VARCHAR(20),

EmployeeSalary INT,

EmployeeGender VARCHAR(10),

EmployeeJoinDate DATETIME,

EmployeeEmail VARCHAR(100)

);

/\*TABEL MsVendor\*/

CREATE TABLE MsVendor

(

VendorID int identity primary key,

VendorName VARCHAR(255),

VendorAddress VARCHAR(255),

VendorPhone VARCHAR(20),

VendorEmail VARCHAR(100)

);

/\*TABEL MsProductType\*/

CREATE TABLE MsProductType

(

ProductTypeID int identity primary key,

ProductTypeName VARCHAR(100)

);

/\*TABEL MsComputerRental\*/

CREATE TABLE MsComputerRental

(

ComputerID int identity primary key,

ComputerName VARCHAR(255),

ComputerStock INT,

RentPrice INT

);

/\*TABEL MsCustomer\*/

CREATE TABLE MsCustomer

(

CustomerID int identity primary key,

CustomerName VARCHAR(255),

CustomerAddress VARCHAR(255),

CustomerPhone VARCHAR(20),

CustomerEmail VARCHAR(100),

CustomerGender VARCHAR(10)

);

/\*TABEL MsServiceType\*/

CREATE TABLE MsServiceType

(

ServiceTypeID int identity primary key,

ServiceTypeName VARCHAR(100),

ServiceTypePrice INT

);

/\*TABEL MsProduct\*/

CREATE TABLE MsProduct

(

ProductID int identity primary key,

ProductTypeID INT NOT NULL,

ProductName VARCHAR(255),

ProductStock INT,

ProductPurchasePrice INT,

ProductSalesPrice INT,

CONSTRAINT fk\_ProductType FOREIGN KEY (ProductTypeID) REFERENCES MsProductType(ProductTypeID)

);

/\*TABEL TrHeaderPurchase\*/

CREATE TABLE TrHeaderPurchase

(

PurchaseID int identity primary key,

VendorID INT,

EmployeeID INT,

PurchaseDate DATETIME,

CONSTRAINT fk\_EmployeeHeaderPurchase FOREIGN KEY (EmployeeID) REFERENCES MsEmployee(EmployeeID),

CONSTRAINT fk\_VendorHeaderPurchase FOREIGN KEY (VendorID) REFERENCES MsVendor(VendorID),

);

/\*TABEL TrHeaderOrder\*/

CREATE TABLE TrHeaderOrder

(

OrderID INT identity primary key,

CustomerID INT,

EmployeeID INT,

OrderDate DATETIME,

CONSTRAINT fk\_CustomerOrder FOREIGN KEY (CustomerID) REFERENCES MsCustomer(CustomerID),

CONSTRAINT fk\_EmployeeOrder FOREIGN KEY (EmployeeID) REFERENCES MsEmployee(EmployeeID)

);

/\*TABEL TrHeaderRent\*/

CREATE TABLE TrHeaderRent

(

RentID INT identity primary key,

CustomerID INT,

EmployeeID INT,

RentDate DATETIME,

CONSTRAINT fk\_CustomerHeaderRent FOREIGN KEY (CustomerID) REFERENCES MsCustomer(CustomerID),

CONSTRAINT fk\_EmployeeHeaderRent FOREIGN KEY (EmployeeID) REFERENCES MsEmployee(EmployeeID)

);

/\*TABEL TrHeaderService\*/

CREATE TABLE TrHeaderService

(

ServiceID int identity primary key,

ServiceTypeID int,

CustomerID int,

EmployeeID int,

ServiceDate DATETIME,

CONSTRAINT fk\_ServiceTypeHeaderService FOREIGN KEY (ServiceTypeID) REFERENCES MsServiceType(ServiceTypeID),

CONSTRAINT fk\_CustomerHeaderService FOREIGN KEY (CustomerID) REFERENCES MsCustomer(CustomerID),

CONSTRAINT fk\_EmployeeHeaderService FOREIGN KEY (EmployeeID) REFERENCES MsEmployee(EmployeeID)

);

/\*TABEL TrDetailPurchase\*/

CREATE TABLE TrDetailPurchase

(

PurchaseID int,

ProductID int,

Qty INT,

PRIMARY KEY(PurchaseID, ProductID),

CONSTRAINT fk\_PurchaseDetail FOREIGN KEY (PurchaseID) REFERENCES TrHeaderPurchase(PurchaseID),

CONSTRAINT fk\_ProductPurchaseDetail FOREIGN KEY (ProductID) REFERENCES MsProduct(ProductID)

);

/\*TABEL TrDetailOrder\*/

CREATE TABLE TrDetailOrder

(

OrderID int,

ProductID int,

Qty INT,

PRIMARY KEY(OrderID, ProductID),

CONSTRAINT fk\_OrderDetail FOREIGN KEY (OrderID) REFERENCES TrHeaderOrder(OrderID),

CONSTRAINT fk\_ProductDetail FOREIGN KEY (ProductID) REFERENCES MsProduct(ProductID)

);

/\*TABEL TrDetailRent\*/

CREATE TABLE TrDetailRent

(

RentID int,

ComputerID int,

Qty INT,

PRIMARY KEY(RentID, ComputerID),

CONSTRAINT fk\_RentDetail FOREIGN KEY (RentID) REFERENCES TrHeaderRent(RentID),

CONSTRAINT fk\_ComputerRentDetail FOREIGN KEY (ComputerID) REFERENCES MsComputerRental(ComputerID)

);

/\*TABEL TrDetailService\*/

CREATE TABLE TrDetailService

(

ServiceID int,

ProductID int,

Qty INT,

PRIMARY KEY(ServiceID, ProductID),

CONSTRAINT fk\_ServiceDetail FOREIGN KEY (ServiceID) REFERENCES TrHeaderService(ServiceID),

CONSTRAINT fk\_ProductDetailService FOREIGN KEY (ProductID) REFERENCES MsProduct(ProductID)

);