

ASSIGNMENT 7

1. a) drop table Customer;
drop table Product;
drop table [Order];
drop table OrderLine;

b) CREATE TABLE Customer

```
(
    CustomerID int not null,
    CustomerName nvarchar(25),
    CustomerAddress varchar(30),
    CustomerCity varchar(20),
    CustomerState char(2),
    CustomerPostalCode varchar(9)
    CONSTRAINT Customer_PK primary key (CustomerID )
);
```

CREATE TABLE Product

```
(
    ProductID int not null,
    ProductDescription varchar(50),
    ProductFinish varchar(20) CONSTRAINT ProductFinish_CHK CHECK (
    ProductFinish IN ('Cherry',
```

'Natural Ash', 'White Ash', 'Red Oak',

```
'Natural Oak', 'Walnut') ),
    ProductStandardPrice DECIMAL(6,2),
    ProductLineID int,
    CONSTRAINT Product_PK PRIMARY KEY (ProductID)
);
```

CREATE TABLE [Order]

```
(
    OrderID int not null,
    OrderDate Datetime default ( getdate() ) ,
    CustomerID int not null
    CONSTRAINT Order_PK PRIMARY KEY (OrderID),
    CONSTRAINT Order_FK FOREIGN KEY (CustomerID) references
    Customer(CustomerID)
);
```

CREATE TABLE OrderLine

```
(
    OrderID int not null,
    ProductID int not null,
    OrderQuantity smallint,
    CONSTRAINT OrderLine_PK PRIMARY KEY (OrderID, ProductID),
```

```

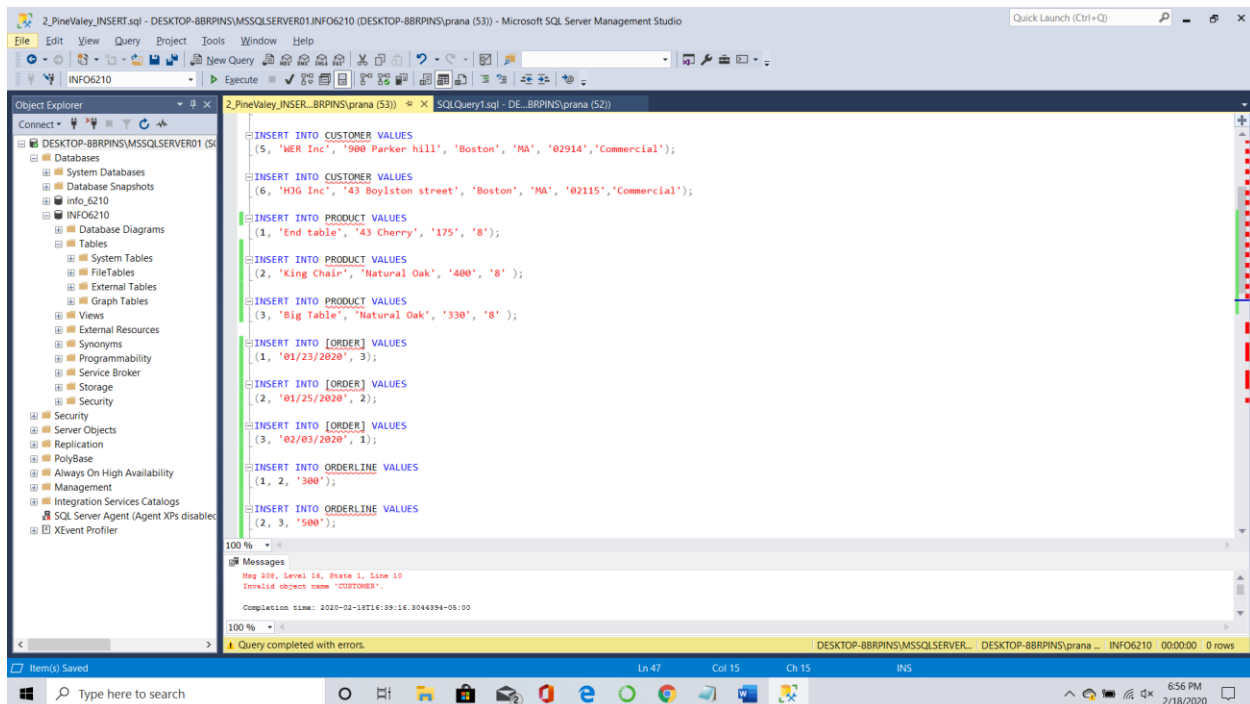
CONSTRAINT OrderLine_FK1 FOREIGN KEY (OrderID) REFERENCES [Order]
(OrderID),
CONSTRAINT OrderLine_FK2 FOREIGN KEY( ProductID) REFERENCES
Product(ProductID)
);

```

Adding new column

```
ALTER TABLE Customer ADD CustomerType varchar(2) default ( 'Commercial')
```

c)



2. Data Definition Language
3. Data Manipulation Language
4. Update Product
Set ProductStandardPrice = \$200
Where Product_ID = 1
5. SELECT ProductID, ProductDescription, ProductFinsh, ProductStandardPrice, ProductLineID
FROM Product
WHERE ProductStandardPrice < 275;

6.

```
SELECT CustomerID, CustomerName, CustomerAddress, CustomerCity, CustomerState,
CustomerPostalCode
FROM Customer
WHERE CustomerState = 'FL' or 'MA';
```
7.

```
SELECT ProductID, ProductDescription, ProductFinsh, ProductStandardPrice, ProductLineID
FROM Product
WHERE ProductDescription = 'desk' or 'table' AND ProductStandardPrice >= $300;
```
8.

```
SELECT count(*) as total record FROM Product
```