

# Checkpoint SQL DDL

```
1 CREATE DATABASE customer_order_dbms
2 COLLATE Latin1_General_CI_AS;
3
4
5 create table Customers(
6     CustomerID int primary key,
7     FirstName varchar(20) not null,
8     Lastname varchar(20) not null,
9     Email varchar(100) not null,
10    Phone varchar(10) check (len(phone)=10),
11    Address varchar(100) not null,
12    City varchar(10) not null,
13    State varchar(10) not null,
14    ZipCode varchar(10) not null
15 );
16
17 create table Categories(
18     CategoryID int primary key,
19     CategoryName varchar(10) not null,
20     Description_cat varchar(500) not null
21
22 );
23
24 create table Products(
25     ProductID int primary key,
26     ProductName varchar(100) not null,
27     Description varchar(500) not null,
28     Price decimal(10,2) check (price>0),
29     StockQuantity int not null,
30     CategoryID int not null,
31     foreign key (CategoryID) references Categories(CategoryID)
32
33 );
34
35
36 create table Orders(
37     OrderID int primary key,
38     CustomerID int not null,
39     foreign key (CustomerID) references Customers(CustomerID),
40     OrderDate date not null default getdate(),
```

```
41         TotalAmount int not null
42     );
43
44
45 create table OrderDetails (
46     OrderDetailID int primary key,
47     OrderID int not null,
48     ProductID int not null,
49     foreign key (OrderID) references Orders(OrderID),
50     foreign key (ProductID) references Products(ProductID),
51     Quantity int not null,
52     UnitPrice decimal(10,2) check (UnitPrice>0)
53
54 );
```