

## ***Relational model***

### **✓ Create Product TABLE :**

```
CREATE TABLE Product(  
Product_id VARCHAR2(20) CONSTRAINT pk-product PRIMARY KEY ,  
Product_Name VARCHAR2(20) NOT NULL,  
Price NUMBER CHECK (Price>0)  
);
```

### **✓ Create Customer TABLE :**

```
CREATE TABLE Customer(  
Customer_id VARCHAR2(20) CONSTRAINT pk-customer PRIMARY KEY ,  
Customer_Name VARCHAR2(20) NOT NULL,  
Customer_Tel NUMBER  
);
```

### **✓ Create OrdersTABLE :**

```
CREATE TABLE Orders(  
Quantity NUMBER ,  
Total_amount NUMBER,  
CONSTRAINT fk_customer FOREIGN KEY (Customer_id) REFERENCES  
Customer(Customer_id),  
CONSTRAINT fk_product FOREIGN KEY (Product_id) REFERENCES Product(Product_id)  
);
```

. Add a column Category (VARCHAR2(20)) to the PRODUCT table :

```
ALTER TABLE Product ADD Category VARCHAR2(20)
```

. Add a column OrderDate (DATE) to the ORDERS table which have SYSDATE as a default value :

```
ALTER TABLE Orders ADD OrderDate DATE DEFAULT SYSDATE()
```