

# Data definition language (DDL) Checkpoint

```
CREATE TABLE Customer (  
    Customer_id VARCHAR2 (20) CONSTRAINT pk_customer PRIMARY KEY,  
    Customer_name VARCHAR2 (20) CONSTRAINT nn_customer NOT NULL,  
    Customer_tel NUMBER  
);
```

```
CREATE TABLE Product (  
    Product_id VARCHAR2 (20) CONSTRAINT pk_product PRIMARY KEY,  
    Product_name VARCHAR2 (20) CONSTRAINT nn_product NOT NULL,  
    Price NUMBER CONSTRAINT c_product CHECK (Price>0)  
);
```

```
CREATE TABLE Orders (  
    Customer_id VARCHAR2 (20),  
    Product_id VARCHAR2 (20),  
    Quantity NUMBER,  
    Total_amount NUMBER,  
    CONSTRAINT fk1_orders FOREIGN KEY (Customer_id) REFERENCES Customer  
    (Customer_id),  
    CONSTRAINT fk2_orders FOREIGN KEY (Product_id) REFERENCES Product (Product  
    _id),  
    CONSTRAINT pk_orders PRIMARY KEY (Customer_id, Product_id)  
);
```

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

```
ALTER TABLE Orders ADD OrderDate DATE DEFAULT SYSDATE;
```