Data definition language (ddl) checkpoint

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1. You are asked to create the above given relational model using SQL language and based on the different mentioned constraints :

CREATE TABLE Product(

Product\_id VARCHAR2(20) PRIMARY KEY,

Product\_Name VARCHAR2(20) NOT NULL,

Price NUMBER CHECK(Price > 0)

) ;

CREATE TABLE Customer(

Customer\_id VARCHAR2(20) PRIMARY KEY,

Customer\_Name VARCHAR2(20) NOT NULL,

Customer\_Tel NUMBER

) ;

CREATE TABLE Orders(

Customer\_id VARCHAR2(20) PRIMARY KEY,

Product\_id VARCHAR2(20),

Quantity NUMBER,

Total\_amount NUMBER,

FOREIGN KEY (Customer\_id) REFERENCES Customers (Customer\_id),

FOREIGN KEY (Product\_id REFERENCES Product (Product\_id)

) ;

2. After creating tables, write SQL commands to:

o Add a column Category (VARCHAR2(20)) to the PRODUCT table. o Add a column OrderDate (DATE) to the ORDERS table which have SYSDATE as a default value.

ALTER TABLE Product ADD Category VARCHAR2(20) ;

ALTER TABLE Orders ADD OrderDate DATE DEFAULT SYSDATE ;