Physical Model: Relational Diagram to setting up DB in an RDBMS

1) CREATE TABLE

CREATE TABLE Customer (

Customer_id VARCHAR2(20) CONSTRAINT PK_Cust PRIMARY KEY (Customer_id),

Customer_Name VARCHAR2(20) CONSTRAINT   Name_Cust_Const NOT NULL,

Customer_Tel NUMBER);

CREATE TABLE Product (

Product_id VARCHAR2(20) CONSTRAINT PK_Prod PRIMARY KEY (Product_id),

Product_Name VARCHAR2(20) CONSTRAINT Name_Prod_Const NOT NULL,

Price NUMBER CONSTRAINT   Price_Const CHECK (Price>0));

CREATE TABLE Orders (

Customer_id VARCHAR2(20) CONSTRAINT FK_Cust   Customer_id REFERENCES Customer (Customer_id),

Product_id VARCHAR2(20) CONSTRAINT FK_Prod   Product_id   REFERENCES

Product (Product_id),

Quantity NUMBER,

Total_amount NUMBER,

CONSTRAINT PK_Order PRIMARY KEY (Customer_id, Product_id));

2) ALTER TABLE

//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;

ALTER TABLE Orders ADD CONSTRAINT OrderDate_Const DEFAULT GetData() FOR OrderDate;