1. Create Relational Model using SQL Language:

CREATE TABLE PRODUCT (Product\_id VARCHAR(20) CONSTRAINT pk\_product PRIMARY KEY,

Product\_name VARCHAR(20) CONSTRAINT nn\_product NOT NULL,

Price NUMBER CONSTRAINT c\_product CHECK (price > 0));

CREATE TABLE CUSTOMER(

Customer\_id VARCHAR(20) CONSTRAINT pk\_customer PRIMARY KEY,

Customer\_Name VARCHAR(20) CONSTRAINT nn\_customer NOT NULL,

Customer\_Tel Number);

CREATE TABLE ORDERS(

Customer\_id VARCHAR(20),

Product\_id VARCHAR(20),

Quantity NUMBER,

Total\_amount NUMBER,

CONSTRAINT fk\_orders FOREIGN KEY (Customer\_id) REFERENCES Customer (Customer\_id)

CONSTRAINT fk\_orders FOREIGN KEY (Product\_id) REFERENCES Product (Product\_id)

1. USE ADD command:

|  |
| --- |
| ALTER TABLE PRODUCT ADD Category VARCHAR2(20) |
| ALTER TABLE ORDERS ADD OrderDate Date CONSTRAINT df\_Date |
| DEFAULT SYSDATE() |

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |