**Data Definition Language (DDL)**

**1/CREATE TABLE :**

* **TABLE Product**
* *Column level: when creating the table :*

CREATE TABLE Product (Product\_id VARCHAR2(20) PRIMARY KEY,

Product\_Name VARCHAR2(20) NOT NULL,

Price NUMBER check (Price&gt ;0)) ;

* *Table level* : *(The ALTER TABLE statement is also used to add various constraints on an existing table) :*

ALTER TABLE Product

ADD PRIMARY KEY(Product\_id) ;

ALTER TABLE Product

MODIFY Product Name VARCHAR2(20) NOT NULL ;

ALTER TABLE Product

MODIFY Price NUMBER POSITIVE VALUE ;

* **TABLE Customer :**
* *Column level: when creating the table :*

CREATE TABLE Customer (Customer\_id VARCHAR2(20) PRIMARY KEY,

Customer\_Name VARCHAR2(20) NOT NULL,

Customer\_Tel NUMBER)

* *Table level :*

ALTER TABLE Customer

ADD PRIMARY KEY(Customer\_id) ;

ALTER TABLE Customer

MODIFY Customer\_Name VARCHAR2(20) NOT NULL ;

* **TABLE Orders:**
* *Column level: when creating the table :*

CREATE TABLE Orders (Customer\_id VARCHAR2(20) CONSTRAINT fk\_Customers FOREIGN KEY (Customer\_id) REFERENCES Customer(Customer\_id),

Product\_id VARCHAR2(20) CONSTRAINT fk\_Product FOREIGN KEY (Product\_id) REFERENCES Product (Product\_id),

Quantity NUMBER ,

Total\_amount NUMBER ,

Constraint composed pk\_Order primary key(Customer\_id,Product\_id)) ;

* *Table level :*

ALTER TABLE Orders

ADD FOREIGN KEY(Customer\_id) REFERENCES Customer(Customer\_id) ;

ALTER TABLE Orders

ADD FOREIGN KEY(Product\_id) REFERENCES Customer(Product\_id) ;

**2/ Add Column :**

ALTER TABLE Product ADD Category VARCHAR2(20) ;

ALTER TABLE Orders ADD OrderDate DATE default SYSDATE;