# Data definition language (DDL) Checkpoint

# Table Product :

CREATE TABLE Product (

Product\_id VARCHAR2(20) CONSTRAINT <Primary key> PRIMARY KEY,

Product\_name VARCHAR2(20) CONSTRAINT <NOT NULL> NOT NULL,

Price NUMBER CONSTRAINT <Positive value> CHECK (Price > 0)

);

ALTER TABLE Product ADD Category VARCHAR2(20);

INSERT INTO Product (Product\_id , Product\_name , Category , Price)

VALUES (‘P01’ , ‘Samsung Galaxy S20’ , ‘Smartphone’ , ‘3299’) ;

INSERT INTO Product (Product\_id , Product\_name , Category , Price)

VALUES (‘P02’ , ‘ASUS Notebook’ , ‘PC’ , ‘4599’) ;

# 2) Table Customer :

CREATE TABLE Customer (

Customer\_id VARCHAR2(20) CONSTRAINT <Primary key> PRIMARY KEY,

Customer\_name VARCHAR2(20) CONSTRAINT <NOT NULL> NOT NULL,

Customer\_Tel NUMBER

);

INSERT INTO Customer (Customer\_id , Customer\_name , Customer\_Tel )

VALUES (‘C01’ , ‘ALI’ , ‘71321009’ ) ;

INSERT INTO Customer (Customer\_id , Customer\_name , Customer\_Tel )

VALUES (‘C02’ , ‘ASMA’ , ‘77345823’ ) ;

# 3) Table Orders :

CREATE TABLE Orders (

Customer\_id VARCHAR2(20),

Product\_id VARCHAR2(20),

Quantity NUMBER,

Total\_amount NUMBER,

CONSTRAINT <Foreign key> FOREIGN KEY (Customer\_id) REFERENCES Customer (Customer\_id),

CONSTRAINT <Foreign key> FOREIGN KEY (Product\_id) REFERENCES Product (Product\_id)

);

ALTER TABLE Orders ADD OrderDate DATE DEFAULT GETDATE()

INSERT INTO Orders (Customer\_id , Product\_id , OrderDate , Quantity , Total\_amount )

VALUES (‘C01’ , ‘P02’ , ‘NULL’ , ‘2’ , ‘9198’) ;

INSERT INTO Orders (Customer\_id , Product\_id , OrderDate , Quantity , Total\_amount )

VALUES (‘C02’ , ‘P01’ , ‘28/05/2020’ , ‘1’ , ‘3299’) ;