CREATE DATABASE AMAZON;  
  
# USERS TABLE !  
CREATE TABLE USERS(  
 USER\_ID INT(10) PRIMARY KEY,  
 NAME VARCHAR(25) NOT NULL,  
 EMAIL VARCHAR(30) NOT NULL UNIQUE,  
 PASSWORD VARCHAR(255) NOT NULL,  
 ADDRESS VARCHAR(50) NOT NULL,  
 PHONE\_NUMBER VARCHAR(15) NOT NULL  
);  
SELECT \* FROM USERS;  
  
# PRODUCTS TABLE!  
CREATE TABLE PRODUCTS(  
 PRODUCT\_ID INT(20) PRIMARY KEY,  
 NAME VARCHAR(20) NOT NULL,  
 DESCRIPTION VARCHAR(50) NOT NULL,  
 PRICE INT NOT NULL DEFAULT 0,  
 CATEGORY VARCHAR(20) NOT NULL,  
 IN\_STOCK BOOLEAN NOT NULL DEFAULT TRUE  
);  
SELECT \* FROM PRODUCTS;  
  
# ORDERS TABLE!  
CREATE TABLE ORDERS(  
 ORDER\_ID INT PRIMARY KEY,  
 USER\_ID INT(10),  
 DATE DATETIME,  
 TOTAL\_PRICE INT NOT NULL,  
 STATUS VARCHAR(20) NOT NULL,  
 FOREIGN KEY (USER\_ID) REFERENCES USERS(USER\_ID)  
);  
SELECT \* FROM ORDERS;  
  
# ORDER\_DETAILS TABLE!  
CREATE TABLE ORDER\_DETAILS(  
 ORDER\_DETAILS\_ID INT PRIMARY KEY,  
 ORDER\_ID INT,  
 PRODUCT\_ID INT(10),  
 QUANTITY INT NOT NULL,  
 FOREIGN KEY (ORDER\_ID) REFERENCES ORDERS(ORDER\_ID),  
 FOREIGN KEY (PRODUCT\_ID) REFERENCES PRODUCTS(PRODUCT\_ID)  
);  
SELECT \* FROM ORDER\_DETAILS;  
  
#======= CRUD OF DATABASE ========  
# INSERT VALUES!  
INSERT INTO USERS(USER\_ID, NAME, EMAIL, PASSWORD, ADDRESS, PHONE\_NUMBER) VALUES (1, 'Abdulrahman', 'Abdulrahman@gmail.com', 'password', '123 Street', '+96653731350');  
SELECT \* FROM USERS;  
INSERT INTO PRODUCTS(PRODUCT\_ID, NAME, DESCRIPTION, PRICE, CATEGORY, IN\_STOCK) VALUES (1, 'Book', 'A great book', 10, 'Books', TRUE);  
SELECT \* FROM PRODUCTS;  
INSERT INTO ORDERS(ORDER\_ID, USER\_ID, DATE, TOTAL\_PRICE, STATUS) VALUES (1, 1, *NOW*(), 10, 'Processing');  
SELECT \* FROM ORDERS;  
INSERT INTO ORDER\_DETAILS(ORDER\_DETAILS\_ID, ORDER\_ID, PRODUCT\_ID, QUANTITY) VALUES (1, 1, 1, 1);  
SELECT \* FROM ORDER\_DETAILS;  
  
  
  
# DELETE VALUES!  
DELETE FROM ORDER\_DETAILS WHERE ORDER\_DETAILS\_ID = 1;  
DELETE FROM ORDERS WHERE ORDER\_ID = 1;  
DELETE FROM PRODUCTS WHERE PRODUCT\_ID = 1;  
DELETE FROM USERS WHERE USER\_ID = 1;  
  
# UPDATE VALUES!  
UPDATE USERS SET NAME = 'Salem' WHERE USER\_ID = 1;  
UPDATE PRODUCTS SET PRICE = 15 WHERE PRODUCT\_ID = 1;  
UPDATE ORDERS SET STATUS = 'Shipped' WHERE ORDER\_ID = 1;  
UPDATE ORDER\_DETAILS SET QUANTITY = 2 WHERE ORDER\_DETAILS\_ID = 1;

