------------------------------------ DROP TABLE ------------------------------------

DROP TABLE ORDERS CASCADE CONSTRAINTS;

DROP TABLE PRODUCTS CASCADE CONSTRAINTS;

DROP TABLE PRODUCT\_CATEGORY CASCADE CONSTRAINTS;

DROP TABLE USER\_ROLE CASCADE CONSTRAINTS;

DROP TABLE USER\_TABLE CASCADE CONSTRAINTS;

DROP TABLE ROLE\_TABLE CASCADE CONSTRAINTS;

COMMIT;

------------------------------------ CREATE TABLE ------------------------------------

-- ORDERS

CREATE TABLE ORDERS (

ORDER\_ID NUMBER(10,0) NOT NULL,

ADDRESS VARCHAR2(255 CHAR),

DATE\_CREATED TIMESTAMP,

LAST\_UPDATED TIMESTAMP,

ORDER\_TRACKING\_NUMBER VARCHAR2(255 CHAR),

PRODUCT\_ID NUMBER(10,0),

TOTAL\_PRICE DOUBLE PRECISION,

TOTAL\_QUANTITY NUMBER(10,0) NOT NULL,

USERNAME\_FK VARCHAR2(255 CHAR),

PRODUCT\_FK NUMBER(10,0),

PRIMARY KEY (ORDER\_ID));

-- PRODUCT\_CATEGORY

CREATE TABLE PRODUCT\_CATEGORY (

CATEGORY\_NAME VARCHAR2(255 CHAR) NOT NULL,

CATEGORY\_DESCRIPTION VARCHAR2(255 CHAR),

PRIMARY KEY (CATEGORY\_NAME));

-- PRODUCTS

CREATE TABLE PRODUCTS (

ID NUMBER(10,0) NOT NULL,

MANUFACTURER VARCHAR2(255 CHAR),

PRODUCT\_DESCRIPTION VARCHAR2(255 CHAR),

PRODUCT\_NAME VARCHAR2(255 CHAR),

UNIT\_PRICE DOUBLE PRECISION,

UNITS\_IN\_STOCK NUMBER(10,0),

PROD\_CATEGORY\_FK VARCHAR2(255 CHAR),

PRIMARY KEY (ID));

-- ROLE\_TABLE

CREATE TABLE ROLE\_TABLE (

ROLE\_NAME VARCHAR2(255 CHAR) NOT NULL,

ROLE\_DESCRIPTION VARCHAR2(255 CHAR),

PRIMARY KEY (ROLE\_NAME));

-- USER\_ROLE

CREATE TABLE USER\_ROLE (

USER\_ID VARCHAR2(255 CHAR) NOT NULL,

ROLE\_ID VARCHAR2(255 CHAR) NOT NULL,

PRIMARY KEY (USER\_ID, ROLE\_ID));

-- USER\_TABLE

CREATE TABLE USER\_TABLE (

USER\_NAME VARCHAR2(255 CHAR) NOT NULL,

USER\_FIRST\_NAME VARCHAR2(255 CHAR),

USER\_LAST\_NAME VARCHAR2(255 CHAR),

USER\_PASSWORD VARCHAR2(255 CHAR),

PRIMARY KEY (USER\_NAME));

------------------------------------ ALTER TABLE ------------------------------------

ALTER TABLE ORDERS ADD CONSTRAINT FKkfx1mv96gnmuqr0w6q9jns19w FOREIGN KEY (USERNAME\_FK) REFERENCES USER\_TABLE;

ALTER TABLE ORDERS ADD CONSTRAINT FKi1q622r4qy2ok8ifvymf35gsy FOREIGN KEY (PRODUCT\_FK) REFERENCES PRODUCTS;

ALTER TABLE PRODUCTS ADD CONSTRAINT FKjvoe7q2samx9cmdsrt5v6wl5 FOREIGN KEY (PROD\_CATEGORY\_FK) REFERENCES PRODUCT\_CATEGORY;

ALTER TABLE USER\_ROLE ADD CONSTRAINT FKgwc1k06gs7pyb1nfw7m4ghm4s FOREIGN KEY (ROLE\_ID) REFERENCES ROLE\_TABLE;

ALTER TABLE USER\_ROLE ADD CONSTRAINT FK5cwpllhe458f6j6fb7rmhfyt2 FOREIGN KEY (USER\_ID) REFERENCES USER\_TABLE;

------------------------------------ SELECT ------------------------------------

SELECT \* FROM ORDERS;

SELECT \* FROM PRODUCTS;

SELECT \* FROM PRODUCT\_CATEGORY;

SELECT \* FROM USER\_TABLE;

SELECT \* FROM ROLE\_TABLE;

SELECT \* FROM USER\_ROLE;

------------------------------------ RESPOSITORY QUERIES ------------------------------------

SELECT \* FROM ORDERS ORDER BY LAST\_UPDATED DESC;

SELECT \* FROM ORDERS ORDER BY DATE\_CREATED DESC;

SELECT O.\* FROM PRODUCTS P, PRODUCT\_CATEGORY C, ORDERS O WHERE p.prod\_category\_fk = c.id AND p.id = o.product\_fk ORDER BY c.category\_name desc;

SELECT C.CATEGORY\_NAME FROM PRODUCTS P, PRODUCT\_CATEGORY C WHERE P.ID = 1 AND P.PROD\_CATEGORY\_FK = C.ID;