SOLUTIONS:

EXERCISE DAY 2.3

1)

CREATE TABLE PERSONS (

PERSONID INTEGER,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

ADDRESS VARCHAR2(50),

CITY VARCHAR2(20)

);

2)

CREATE TABLE EMPLOYEE (

EMP\_ID INTEGER CONSTRAINT EMP\_EID\_NN NOT NULL,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

ADDRESS VARCHAR2(50),

CITY VARCHAR2(20)

);

3)

CREATE TABLE STUDENT (

STU\_ID INTEGER CONSTRAINT STU\_SID\_NN NOT NULL,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

ADDRESS VARCHAR2(50),

CITY VARCHAR2(20) DEFAULT 'AGRA'

);

4)

CREATE TABLE ORDERS (

ORD\_ID NUMBER,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

ADDRESS VARCHAR2(50),

PRICE NUMBER(5,2)

);

5)

CREATE TABLE ORDERS (

ORD\_ID NUMBER CONSTRAINT ORD\_OID\_NN NOT NULL,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

ADDRESS VARCHAR2(50),

PRICE NUMBER(5,2) CONSTRAINT ORD\_PRI\_NN NOT NULL

);

EXERCISE DAY 2.4

6)

CREATE TABLE PERSONS (

PERSONID INTEGER CONSTRAINT PER\_PID\_PK PRIMARY KEY,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

ADDRESS VARCHAR2(50),

CITY VARCHAR2(20) CONSTRAINT PER\_CTY\_NN NOT NULL

);

7)

CREATE TABLE EMPLOYEE (

EMP\_ID INTEGER,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

ADDRESS VARCHAR2(50),

CITY VARCHAR2(20),

CONSTRAINT EMP\_IDFN\_CPK PRIMARY KEY (EMP\_ID,FIRSTNAME)

);

8)

CREATE TABLE STUDENT (

STU\_ID INTEGER CONSTRAINT STU\_SID\_PK PRIMARY KEY,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

ADDRESS VARCHAR2(50),

CITY VARCHAR2(20) DEFAULT 'AGRA',

CONSTRAINT STU\_LNFN\_CK CHECK (LASTNAME <> FIRSTNAME)

);

9)

CREATE TABLE STUDENT (

STU\_ID INTEGER CONSTRAINT STU\_SID\_PK PRIMARY KEY,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

GENDER CHAR(1) CONSTRAINT STU\_GEN\_CK CHECK ( GENDER IN ('M','F')),

CITY VARCHAR2(20) DEFAULT 'AGRA'

);

10)

CREATE TABLE ORDERS (

ORD\_ID NUMBER CONSTRAINT ORD\_OID\_UK UNIQUE,

LASTNAME VARCHAR2(20),

FIRSTNAME VARCHAR2(20),

ADDRESS VARCHAR2(50),

PRICE NUMBER(5,2)

);

EXERCISE DAY 2.5

1)

ALTER TABLE CUSTOMER

ADD CUSTOMER\_AGE INT

2)

ALTER TABLE ORDERS

MODIFY PRODUCT\_ID INT

3)

ALTER TABLE CUSTOMERS

DROP COLUMN EMAIL

4)

ALTER TABLE PERSONS

MODIFY (AGE NOT NULL)

5)

ALTER TABLE ORDERS

DROP CONSTRAINT PK\_ODRER