--1 Modify the following SQL command so that the rep\_ID column is the primary key for the table and the default value

--of Y is assigned to the comm column:

CREATE TABLE store\_reps

(rep\_ID NUMBER(5),

last VARCHAR2(15),

first VARCHAR2(10),

comm CHAR(1) );

--Answer

CREATE TABLE store\_reps

(rep\_ID NUMBER(5),

last VARCHAR2(15),

first VARCHAR2(10),

comm CHAR(1) DEFAULT 'Y',

CONSTRAINT "REP\_ID" PRIMARY KEY ("REP\_ID"));

--2 Change the STORE\_REPS table so that NULL values can�t be entered in the name columns (first and last).

--Answer

alter table store\_reps

Modify (last constraint store\_reps\_last\_nn Not Null,

first constraint store\_reps\_first\_nn Not Null);

--3 Change the STORE\_REPS table so that only a Y or N can be entered in the common column

--Answer

ALTER TABLE store\_reps

ADD CONSTRAINT store\_reps\_comm\_ck check (comm IN ('Y','N'));

--4.Add a column named Base\_salary with a datatype of NUMBER(7,2) to the STORE\_REPS table.

--Ensure that the amount entered is above zero.

--Answer

create table store\_reps (id number);

ALTER TABLE store\_reps

ADD Base\_Salary NUMBER(7, 2)

CONSTRAINT store\_reps\_Base\_Salary CHECK (Base\_Salary>0);

--5.Create a table named BOOK\_STORES to include the columns listed in the following chart.

--Answer

CREATE TABLE book\_stores

(Store\_ID Number(8),

Name Varchar2(30),

contact varchar2(30),

Rep\_ID varchar2(5),

constraint book\_stores\_store\_ID\_pk Primary key (Store\_ID),

constraint book\_stores\_name\_uk Unique (name));

--6.Add a constraint to make sure the Rep\_ID value entered in the BOOK\_STORES table is valid value

--contained in the STORE\_REPS table. The Rep\_ID columns of both tables were initially created as

--different datatypes. Does this cause an error when adding the constraint? Yes. Make table modifications

--as needed so that you can add the required constraint.

--Column Name             Datatype                       Constraint Comments

--Store\_ID                Number(8)                       PRIMARY KEY column

--Name                   VARCHAR2(30)                Should be UNIQUE and NOT NULL

--Contact                VARCHAR2(30)

--Rep\_ID                VARCHAR2(5)

--Answer

ALTER TABLE book\_stores MODIFY (rep\_ID number(5))

add constraint book\_stores\_Rep\_ID\_fk foreign key (Rep\_ID)

References Store\_Reps (Rep\_ID);

--7. Change the constraint created in Assignment #6 so that associated rows of the BOOK\_STORES table

--are deleted automatically if a row in the STORE\_REPS table is deleted.

--Answer

DROP CONSTRANT bookstores\_repid\_fk

References Store\_Reps (rep\_ID) ON DELETE CASCADE;

--8. Create a table named REP\_CONTRACTS containing the columns listed in the following chart. A composite PRIMARY KEY

--constraint including the Rep\_ID, Store\_ID, and Quarter columns should be assigned. In addition, FOREIGN KEY constraints

--should be assigned to both the Rep\_ID and Store\_ID columns.

Column Name Datatype

Store\_ID NUMBER(8)

Name NUMBER(5)

Quarter CHAR(3)

Rep\_ID NUMBER(5)

--Answer

CREATE TABLE REP\_CONTRACTS

( Store\_ID NUMBER(8) CONSTRAINT

repcontracts\_storeID\_fk references

Book\_stores(Store\_ID),

Name Number(5),

Quarter Char(3),

Rep\_ID Number(5),

CONSTRAINT REP\_CONTRACTS\_PK PRIMARY KEY (STORE\_ID, QUARTER, REP\_ID),

constraint rep\_contracts\_Store\_ID\_fk Foreign key (Store\_ID)references Book\_stores (Store\_ID),

constraint rep\_contracts\_Rep\_ID\_fk foreign Key (Rep\_ID)references Store\_Reps (Rep\_ID));

--9. Produce a list of information about all existing constraints on the STORE\_REPS table.

--Answer

SELECT \* FROM user\_constraints

WHERE table\_name = 'STORE\_REPS';

--10. Issue the commands to disable and then enable the CHECK constraint on the Base\_salary column.

--Answer

ALTER TABLE store\_reps DISABLE CONSTRAINT store\_reps\_Base\_salary\_ck;

ALTER TABLE store\_reps ENABLE CONSTRAINT store\_reps\_Base\_salary\_ck;