T-SQL (15 puntos):

Responda y explique su respuesta en inglés para cada una de las siguientes preguntas, de forma

clara y concisa.

1. ¿Which of these commands is used to change a substring in a string?

a. REPLICATE

b. REPLACE

c. CHARINDEX

d. STUFF

e. SUBSTRING

R:/ The answer is b, the command REPLACE is used for replace text string.

2. The Car table is defined by this statement:

CREATE TABLE Car

( Id bigint NOT NULL,

Brand varchar (50) NOT NULL,

Model varchar (50) NOT NULL,

Color varchar (15) NOT NULL,

CHECK (Color in ('blue','red','yellow','black','green','silver')),

PRIMARY KEY (Id)

)

¿Which of these commands won’t fail?

a. INSERT INTO Car (Id, Brand, Model)

VALUES (2, 'KIA', 'Sportage')

b. INSERT INTO Car (Id, Brand, Color, Model)

VALUES (2, 'KIA', 'purple', 'Sportage')

c. INSERT INTO Car (Brand, Model, Color, Id)

VALUES ('KIA', 'Sportage', 'silver', 1)

d. INSERT INTO Car (Id, Brand, Model, Color)

VALUES ('c2', 'KIA', 'Sportage', 'red')

R:/ The answer is c, is the unic sentence that complies with the conditions of the table, color, model, brand and id (the answer b, has color purple and it is not in the check of color).

3. ¿What does the following statement do?

SELECT \* INTO table2 FROM table1 WHERE 1 = 2

a. Nothing. It’s useless.

b. Creates table2 according to table1 and copies all data from table1 to table2.

c. Creates table1 according to table2 and copies all data from table2 to table1.

d. Creates table2 according to table1 without data.

R:/ The answer is d, create table 2 according to table1, but as 2 not is equal to 1, does not copy data.

4. The result of the following sentence is (0):

SELECT ½

¿How could you modify it so that it provides the correct mathematical result?

R:/ SELECT CONVERT(float,1)/2 AS Result