Suraj Sunil

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Help

Homework Assignment Submitted Successfully.

You obtained a score of 28.0 points, out of a possible 28.0 points.
You have answered all the questions correctly.

Congratulations, you have achieved the maximum possible score.

Submission number:	519119
Submission certificate:	CA192557
Submission time:	2020-03-25 15:41:26 PST (GMT - 8:00)

Number of questions:	2
Positive points per question:	14.0
Negative points per question:	0.0
Your score:	28

1. Here are declarations of two relations R and S:

```
CREATE TABLE S(
    c INT PRIMARY KEY,
    d INT
);
CREATE TABLE R(
    a INT PRIMARY KEY,
    b INT,
    CHECK(b IN (SELECT c FROM S))
);
```

R(a,b) currently contains the four tuples (0,4), (1,5), (2,4), and (3,5). S(c,d) currently contains the four tuples (2,10), (3,11), (4,12), and (5,13). As a result, certain insertions and deletions on S are illegal, as are certain updates or insertions on R. You should develop simple tests for illegal operations of these four kinds. Then, show your understanding by indicating which of the following modifications will **not** be rejected because of a constraint violation.

a) Inserting (4,13) into S.

b) Updating (3,5) in R to be (3,3).

c) Inserting (4,6) into R.

d) Inserting (1,4) into R.

Answer submitted: **b)**

You have answered the question correctly.

2. Here are declarations of two relations R and S:

CREATE TABLE S(

```
c INT PRIMARY KEY,
d INT
);
CREATE TABLE R(
a INT PRIMARY KEY,
b INT REFERENCES S(c)
);
```

R(a,b) currently contains the four tuples (0,1), (7,1), (3,3), and (9,9). S(c,d) currently contains the four tuples (1,4), (7,8), (9,4), and (3,1). Which of the following modifications will **not** violate any constraint:

a) Inserting (7,7) into R
b) Inserting (9,1) into R
c) Inserting (1,5) into R
d) Inserting (4,7) into R

Answer submitted: **d)**

You have answered the question correctly.