1/1	point ((ungraded	'

Consider the following general assertion on tables Faculty(name,homeDept) and Teaches(prof,course,dept): create assertion A (not exists (select * from Faculty where name not in (select prof from Teaches where dept = homeDept))) Which of the following modifications can NOT cause the constraint to become violated?

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- deletion from Teaches
- update to Teaches.prof
- insertion into Teaches

Explanation

The assertion states that every faculty member teaches at least one course in her home department. Adding a new course cannot violate the constraint.

Submit

You have used 2 of 4 attempts

Answers are displayed within the problem

Q2

1/1 point (ungraded)

Consider the following general assertion on table Item(category,price): create assertion A (25 < any (select sum(price) from Item group by category)) Which of the following modifications can NOT cause the constraint to become violated? Choose the best (most reasonable) answer of the four choices.

insertion into Item

o deletion from Item
 update to Item.category
 update to Item.price

Explanation

The assertion states that some category has items whose total price exceeds 25. Inserting a new item leaves sum(price) unchanged or increases it for each category, so the constraint cannot be violated. All other modifications can lower sum(price) in a category (we assume prices are greater than 0 and we cannot add additional categories), possibly violating the constraint.

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You have used 2 of 4 attempts