CSE370 Assignment 2

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Ans to or 1

a) Violation of key constraint

No two tuples in a relation must have the some value for the key attributeds). Since (1', Horston') is already present in the rulation and both are key attributes, it violates vey constraint.

b) violates referential integrity. The value in foreign very column can be either NULL on a values that already exists in primary very of referenced relation Here, Dnumber is a foreign nex and the number 2 doesn't exist in DEPARTMENT relation's paimary key Dnumber. it violates referencial integrity.

@ violates Entity integnity

The primarry heys). cannot have NULL values. Here both the attributes combined hen we cannot insent NULL.

- 1) No violation as dno in Department table '4' already exists. So this brings hey can have '4' as a value
- @ Violation of referencial integrity:

The dro is the foreign her in EMPLOYEE
relation and the referenced relation table
relation and the referenced relation table
DEPART MENT doesn't have a Dnumber
existing or '2'. Hence it violates referenced
integrity. referencial integrity

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Niolates her constraint.

The value 20, already exists in the primarry hey Primarry of PROJECT relation.

Additionally, if we were to add this value, the foreign may of this telation on works on the foreign may of this telation on works on relation would not be able to identity it relation would not be able to identity it properly.

3 violates ruferencial integruity.

Here, Pnumber of PROJECT is primary by and It Boo the foreign key pro of WORKSON is referenced to this. It we delete any prumber, an already existing match of it will cause violation in the works on rulation.

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(h) Violation of referential integrity:
Similarly, Dnumber is referenced
Primary way of 3 relations. Changing/
Primary way of 3 relations. changing/
Deleting any value can cause violation.

(i) There will be no violation as we are Belate is deleting column, not nows. Also Belate is a normal attribute.

The SSN is use as a reference primary new in other entities relations for which deleting a row will cruate which deleting a row integrity.

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