Relation Design-Normalization

* Required

In which form of function there is no partial functional dependencies? * 1 point

- [ ] 3NF
- [ ] BCNF
- [ ] 4NF
- [x] 2NF

Which of the following is designed to cope with 4NF? * 1 point

- [ ] transitive dependency
- [ ] none of these
- [ ] join dependency
- [x] multi value dependency

In which normal foam Boyce-code can operate? * 1 point

- [ ] All of these
- [ ] 2 NF
- [ ] 1 NF
- [x] 3 NF

In which normal foam conversion of composite attribute to individual attribute happens, * 1 point

- (●) 1 NF
- ( ) 3 NF
- ( ) 2 NF

Select the option that describes the characteristics of relations in 2NF ? * 1 point

- (●) hidden dependencies eliminated
- ( ) have a composite key
- ( ) eliminating insertion anamalies

Normalization is normally used to design _____. * 1 point

- ( ) multi valued dependencies
- (●) relational database
- ( ) join dependencies

A relation is considered as * 1 point

- ( ) column
- ( ) one dimensional table
- (●) two dimensional table

For some relations, changing the data can have undesirable consequences called * 1 point

- ○ referential integrity constraints
- ○ transitive dependencies
- ◉ modification anomalies

If attributes A and B both determine attribute C, then it is true that * 1 point

- ○ A -> C
- ○ B --> C
- ◉ (A,B) is a composite determinant
- ○ c is a determinant

Consider the relational schema R(S,T,U,V) and the functional dependencies S→T, T→U, U→V, V→S. Let R= {R1,R2} such that R1∩R2=Φ. Then the decomposition is : * 1 point

- ○ not in 2NF
- ○ in 3NF but not in 2NF
- ○ in 2NF but not in 3NF
- ◉ in both 2NF and 3 NF

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