

New submission for: Lecture 4 Exercise

Due: 09/12/2020 @ 04:20 PM EDT

Given the following set of functional dependencies for relation R(A,B,C,D,E,F),  
check all keys for R: F = {DE->AB, BE->C, FD->E}

- ☐ BDE
- ☐ ABC
- ☒ FD
- ☐ BFD
- ☐ None of these options
- ☐ DE
- ☐ BE

Clear

Use Most Recent Submission

Given the following set of functional dependencies for relation R(A,B,C,D,E,F,G),  
check all keys for R: F = {ABE->G, CG->BD, B->A}

- ☐ CG
- ☐ AECG
- ☐ B
- ☐ BCG
- ☐ ABE
- ☐ ABECG
- ☒ None of these options
- ☐ BECG

Clear

Use Most Recent Submission

Given the following set of functional dependencies for relation R(A,B,C,D,E,F,G),  
check all the following options that are true about this relation: F = {AB->CD, ABC->E, BC->C, DE->FG}

- ☒ DE->FG violates BCNF
- ☐ AB->CD violates 3NF
- ☒ DE->FG violates 3NF
- ☐ AB->CD violates BCNF
- ☐ BC->C violates BCNF
- ☐ ABC->E violates BCNF
- ☐ This relation is in BCNF
- ☐ This relation is in 3NF
- ☐ BC->C violates 3NF
- ☐ ABC->E violates 3NF

Clear

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Given the following set of functional dependencies for relation R(A,B,C,D,E,F,G),  
check all the following options that are true about this relation: F = {ABC->D, AB->EFG, F->A}

- ☐ F->A violates 3NF
- ☐ ABC->D violates BCNF
- ☐ This relation is in BCNF
- ☒ AB->EFG violates BCNF
- ☒ F->A violates BCNF
- ☐ ABC->D violates 3NF
- ☐ This relation is in 3NF
- ☒ AB->EFG violates 3NF

Clear

Use Most Recent Submission

Given the following set of functional dependencies for relation R(A,B,C,D,E,F,G),  
check all the following options that are true about this relation: F = {AB->CDE, ABC->EFG}

- ☐ AB->CDE violates 3NF
- ☒ This relation is in BCNF
- ☐ ABC->EFG violates BCNF
- ☒ This relation is in 3NF
- ☐ AB->CDE violates BCNF
- ☐ ABC->EFG violates 3NF

Clear

Use Most Recent Submission

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