|  | **Click the check box next to any correct answers**  **(2 points each problem)** | **1NF Relation** | **Normalize 1NF relation to 2NF**  **(2 points each problem)** | **Normalize 2NF relation to 3NF**  **(2 points each problem)** |
| --- | --- | --- | --- | --- |
|  | Is the 1NF relation also in 2NF ?  Is the 2NF relation also in 3NF ?  What are the determinants in the 1NF relation?  A  B  C  D  E | R (A, B, C, D, E)  FD1 A, B ->D  FD2 C -> E  FD3 A -> C | R1(A, B, D)  R2(A, C, E) | R1(A, B, D)  R2a (A, C)  R2b (C, E) |
|  | Is the 1NF relation also in 2NF ?  Is the 2NF relation also in 3NF ?  What are the determinants in the 1NF relation?  A  B  C  D  E  F | R (A, B, C, D, E, F)  FD1 (A, B, C) -> D  FD2 C -> E  FD3 E -> F | R1(A, B, C, D)  R2(C, E, F) | R1(A, B, C, D)  R2a (C, E)  R2b (E, F) |
|  | Is the 1NF relation also in 2NF ?  Is the 2NF relation also in 3NF ?  What are the determinants in the 1NF relation?  A  B  C  D  E  F  G  H | R (A, B, C, D, E, F, G, H)  FD1 (A, B, C) -> D  FD2 A -> F, G  FD3 C -> E, H | R1(A, B, C, D,)  R2(A, F, G)  R3(C, E, H) | R1(A, B, C, D,)  R2(A, F, G)  R3(C, E, H) |
|  | Is the 1NF relation also in 2NF ?  Is the 2NF relation also in 3NF ?  What are the determinants in the 1NF relation?  A  B  C  D  E | R (A, B, C, D, E)  FD1 (A, B) -> D  FD2 D -> C, E | R (A, B, C, D, E) | R1(A, B, D)  R2(C, D, E) |