Relation R with an associated set of functional dependencies, F is decomposed into BCNF. The redundancy (arising out of functional dependencies) in the resulting set relations is.
(A) Zero
(B) More than zero but less than that of an equivalent 3NF decomposition
(C) Indeterminate

Answer A

A table has fields Fl, F2, F3, F4, F5 with the following functional dependencies
$F1 \rightarrow F3$
$F2 \rightarrow F4$
$(F1. F2) \rightarrow F5$
In terms of Normalization, this table is in

(A) 1 NF
(B) 2 NF
(C) 3 NF
(D) none
Answer A

Let R (A, B, C, D, E, P, G) be a relational schema in which the following functional dependencies are known to hold: $AB \rightarrow CD$, $DE \rightarrow P$, $C \rightarrow E$, $P \rightarrow C$ and $B \rightarrow G$. The relational schema R is

(A) in BCNF
(B) in 3NF, but not in BCNF
(C) in 2NF, but not in 3NF
(D) not in 2NF

Answer D

Which of the following is NOT a super key in a relational schema with attributes V, W, X, Y, Z and primary key V Y?

(A) V X Y Z
(B) V W X Z
(C) V W X Y
(D) V W X Y Z
Answer B