

DBMS

Q: which is true Regarding foreign key?

- a) Each record of Referencing relation exactly related to one record of referenced relation
- b) Each record of Referencing relation related to almost one record of referenced relation
- c) Each record of Referenced relation related by one or more records of referencing relations
- d) Each record of referenced relation related

(4) Each record of r is referenced by many (0 or more) records of referencing relation.

Q How many super keys possible the Relational Schema R with n attributes $R(A_1, A_2, \dots, A_n)$ and candidate key $\{A_1, A_2, A_3\}$?

Q How many super keys possible for Relational Schema R with n attributes $R(A_1, A_2, \dots, A_n)$ and candidate key $\{A_1, A_2, A_3, A_4\}$

Q How many superkey possible for relational
Schema R with n attributes.

$R(A_1, A_2, A_3, \dots, A_n)$ and c.d key $\{A_1, A_2, A_3, A_4\}$

Q How many superkey possible for relational
Schema R with n attributes $R(A_1, A_2, \dots, A_n)$
and m simple candidate key [assume $m \leq n$]?

Ans:

Q1 \rightarrow b and d True

$$Q_2 \rightarrow 5 * 2^{n-3}$$

$$Q_3 \rightarrow 7 * 2^{n-4}$$

$$Q_4 \rightarrow 13 * 2^{n-4}$$

$$Q_5 \rightarrow (2^m - 1) * 2^{n-m}$$