

Course: Database management

Unit: Introduction to the relational model

Assignment: Keys

Teamwork: Groups of two

Consider the relation “student” with three attributes (“id”, “DNI”, “name”). Both the “id” and the “DNI” values are unique for each student. They are never repeated.

- 1) List all superkeys.
- 2) List all candidate keys.

Given the following relation R and the set of functional dependencies F that hold on R, find all candidate keys for R.

R (A, B, C, D, E, F)

F = { $AB \rightarrow C$, $AC \rightarrow B$, $AD \rightarrow E$, $BC \rightarrow A$, $E \rightarrow F$ }