Course 1

Databases. The Relational Data Model

Self-assessment test 1

1. What is the significance of concept "tuple"? Choose the right response.
    a. Field
    b. Row
    c. Column
2. What is the structural integrity rule which refers to the connection between the primary key and the external key? Set the actual response:
    a. The rule "referral integrity"
    b. The rule "entity integrity"
    c. The rule "key uniqueness"
3. In the relational data model, a domain is:
    a. A compact area of data in a table
    b. A data type.
4. What is the relational operator that extracts information from multiple tables linked via keys:
    a. JOIN
    b. SELECT
    c. PROJECT
    d. PRODUCT
5. Choose from the list below one type of DBMS that uses mathematical theory of sets (of relations):
    a. Relational
    b. Semantic
    c. Distributed
6. What type of key is formed by column / columns in a table that must contain unique values and the different from null:
    a. External key
    b. Primary key
    c. Foreign Keys