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Dutabase Modelling 1488ighment-2 4-7190

Of Bxplain the logical data Modelling 4 integrity Constraints. the Logical @ data modelling in volles translaing the correpted dates model into a more detailed representation that can be implemented in a Specific DBMS. This hyprically mobiles the following staps-1. Britis- Reladionship (EP) Model Taranslavian.

2. Noomalizeition

3. Devo Types and Constraints

4. Indiking

5. Views and Stored Procedures.

Integrity Constoants a nows the according and Consistency of dota withma doutabase.

1. Parmary ky Constoant.

2. Roseign Ky hons bound

3. Orique constraints

4. Check Constourst

5. Entry Integrity landsound.

Or Brolain the BR Model and BBR Model to map with logical Schema.

In The process of mapping an Briting-Relationshiplar) model and an Britanuel Britisy-Relationship (BBR)
model to a logical Schema mobiles tooms looking the Conception representations into a more concretions one Stouchuod from Suitable for implementation in a database management System.

4. BR Model Mapping to Logical Schema:

· Britis becomestables altributes become colours, and indultonships between become foreign key lonstrants.

· Princey keys are identified and mapped to unsure uniqueness within tables

· Cardinality Constraints ditumne how Irelationship

are represented in the logical Schema.

· Attaibutes au anapped to appropriate dada type in the DEMPIS Considered factorslike Size, preusum and data constraints

2. BBA Model Mappy to Logical Schima!

Superviews (Subclasses or and on ships where altributs Specific to Subclasses are added to their respective fables

· benealize with a discrimination (000mm to differentiate between motornals of different subclass.

· Aggergration relationships are mapped Smicorly transquar relationships but may modure Greating Reparate table to represent aggregated entities.

· Attribute in heriteme is implemented by ensuing that attributes defined in Supercluss tables are inherited by subdans tables.

proplain the mapping complex in construction of an & R (Entityperalionship) model refers to the process of representing
real world survailed and relationships between writtee
or a simplified and Streetweed maintainthmetre model.
If middles identifying entities attailsutes and Dalkarth
relationships | determing cardinally and participation
bestocents, and ensuing clarity and accuracy in
the representation of complex survailed worthing the

or Brokan the normalization in detail with its type along with

Suitable example.

An Normalization is the process of organizing data in a database.

To almosts redundancy and dependency unbruing data in a database day on bruing an omalies during data modify cases.

1. Pisst normal from (INP). Back attribute value ma table must be abornic meaning it cannot be divided

further. Box examples

2. Second Normal form (DDP). Buy non primattoisaile must be fully functionally dependent on the entire primay key.

3. Third sormal form (3DP)? Add attributes must be furcherally defendent only on the primary Key and not in

any other non prime attributes