

Q₂ Explain Data Modelling:

What is logical entity relationship diagram:-

Ans

Data Modeling

It is a techniques for organising and documenting a system's data.

It is the process of identifying types of entities in a situation, relationship b/w those entities and relevant attributes of these entities. It considers data independent of processing, that transform the data, relevant attributes of these entities.

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The most common & popular data modelling technique is entity relationship diagram.

Entity-Relationship Diagram [ERD]

It is a detailed logical representation of the data for an organisation.

An [ERD] depicts "data at rest" while

DFD shows "Data in Motion".

An ERD is more detailed picture of data stores, independent of the processes performed

with those data stored.

ERD is a "data-oriented" model while DFD is a "process-oriented" model.

It aims to create conceptual schemes for data from the user's perspective.