Energise-1 Alm: - Creation of a Dala Wavehouse !! Build Dato Warehouse / Dato Maril Dusign multi-dimensional data models namely star, Showllake and Fact Constellation schemas for any one Home wing data warehow -> Perform Various orap operations and such slices dice, voll up, daill up and privat. Inpul: Mulli-dimensional data models, 8 Analyüs: star schema, snowflake schema and Fact constellation schema, our operations. The goal of a data wavehouse is lo create a Mobjective: trove of historical data that can be retrieved and analyzed to provide useful insight into the organization's operations A data wavehouse is a vital component of business intelligence Mulli-dimensional dala models: A Multimensional model views data in the form of a data-cube. A data cube enables data to be modeled and viewed in multiple dimensions. It is defined by dimensions and lacts. stor schema: Star schema is the fundamental schema among the data mart schema and it is simplest: This schema is widely used to develop a build a dala wavehouse and dimensional data marts. Snowflake schema: The snowflake schema is a variant of the Star schema. Here, the centralized fact table is connected to multiple dimensions. In the snowtlake

schema, d'imensions are present in a normalized form in multiple related tables.

Fack Constellation schema: - 100

multidimensional model. It is a collection of multiple fact tables having some common dimension tables?

OLAP stands for Online Analytical Processing:

OLAP is a classification of software technology which

authorizes analysts, managers and executives to gain

insight into information through fast, consistent;

interactive access in a wide variety of possible views of

data;

Slice:

It selects a single dimension from the OLAP cube which results in a new sub-cube creation.

Pice :-

It selects a sub-cube from the OLAP cube by selecting two or more dimensions

Roll up:

It 15 just opposite of the drill -down o peration. It performs aggregation on the OLAP cube.

Prill down .

In Ovill-down operation, the less detailed data is converted into highly actailed data.

It 9s also known as votation operation as it rotates the current view to get a new v

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