Pata Modelling:-Normalization: - It is the process of suplitting the database into multiple tables so that we can reduce redusedancy and improve data integrity. DIN Power BI, fact and dimension tables are two types of tables use to built the data model. Facti- Fact tables will have measurable or quantitative data Numerical. Dimension: Dimension table will contain unique Categorical data. Data Model creation: -Cardinality is the relationship between two tables in the data model. It is defined by 4 types:--> One-to-one > One-to-many > many-to-one

> Many-to-many.

Why wata modelling! -> To remove unnecessary columns and rows.

-) To perform Group by and summarize.

-> Optimize column and data types

-) use custom columns.

There are 3 types -

>Starschema

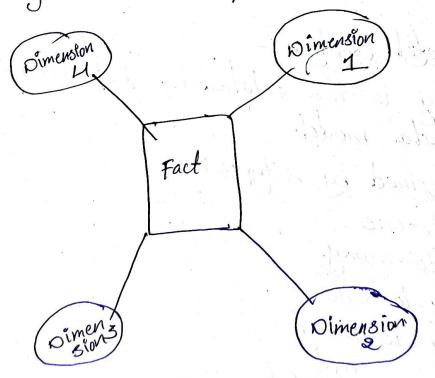
-> Snow Flake Schema

- ) Gralaxy Schema.

Star Schema:-

-) one fact table to this will connect all Dimension table

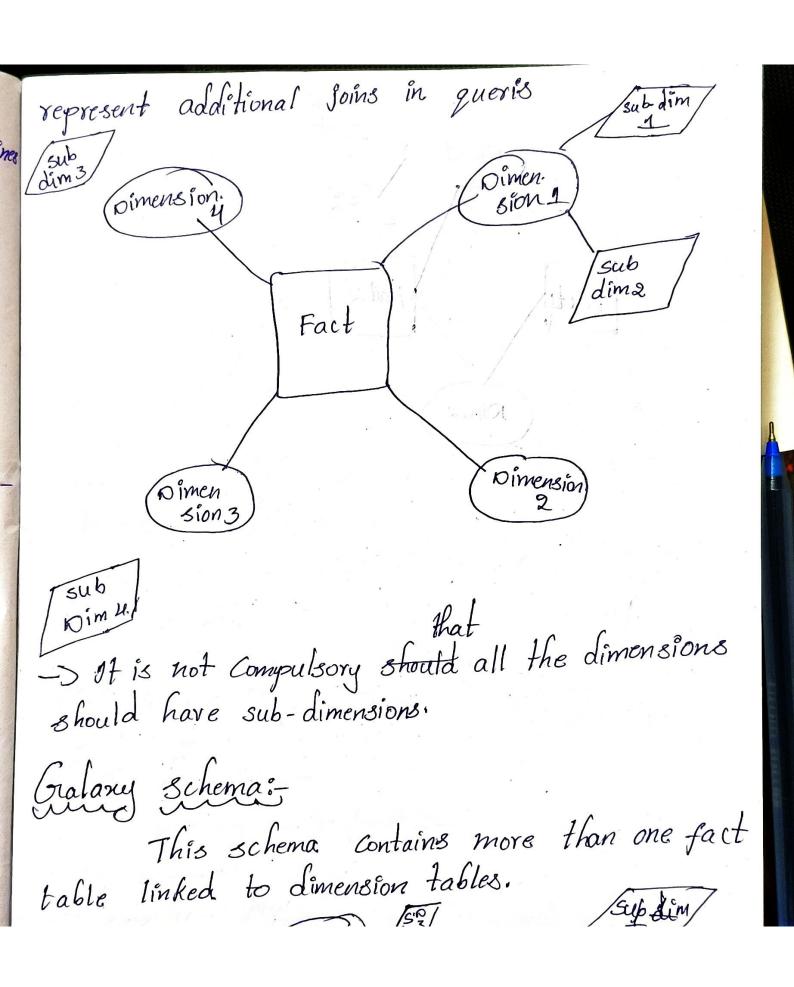
-) Dimension table in a star schema align with fact giving it a star shope.



&now-Flake Schema:-

Dimension table have sub-division table.

smowflake schema lose sub-divisions to repeat



Dim 1 Dim 2