Star Schema
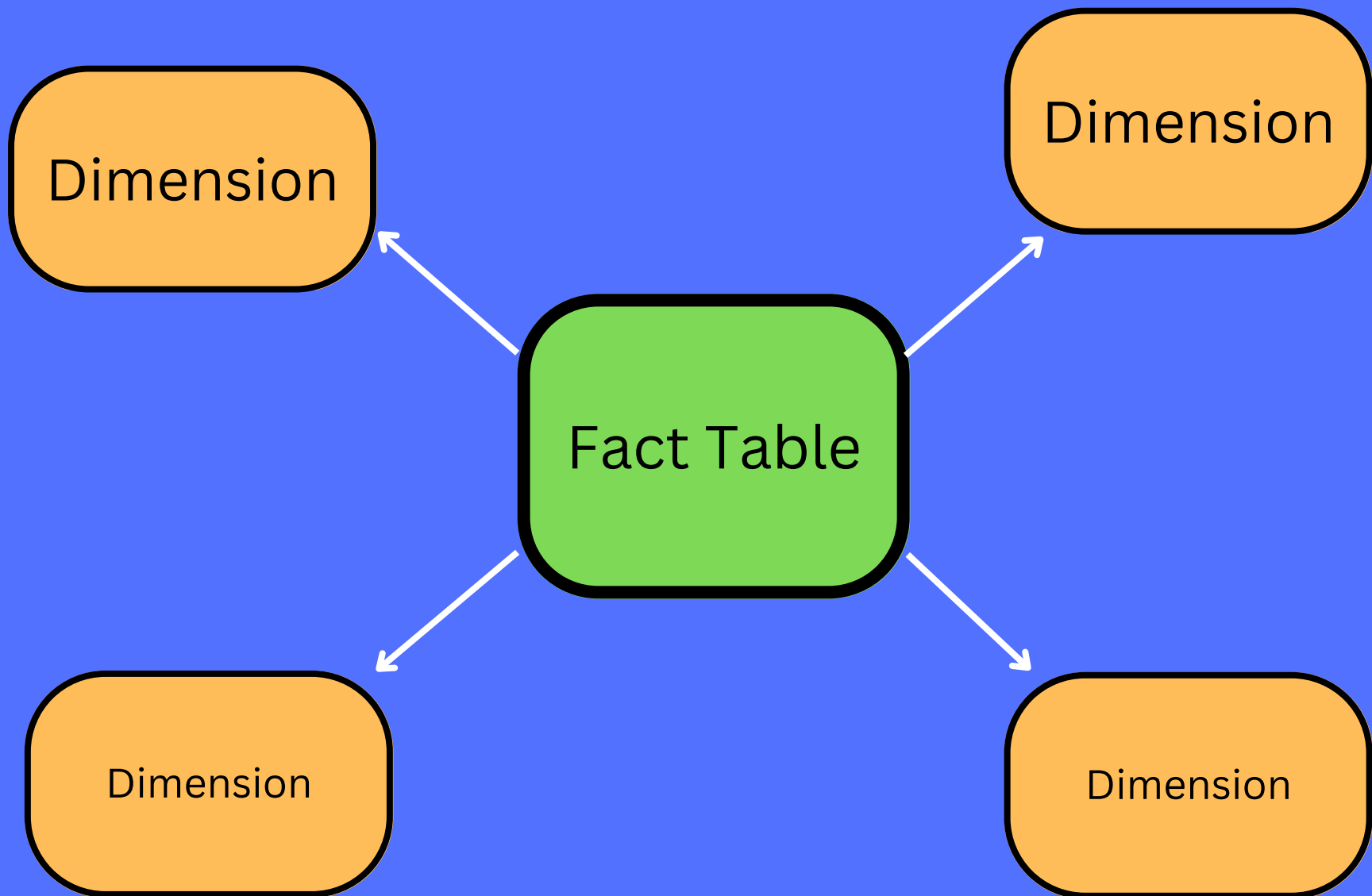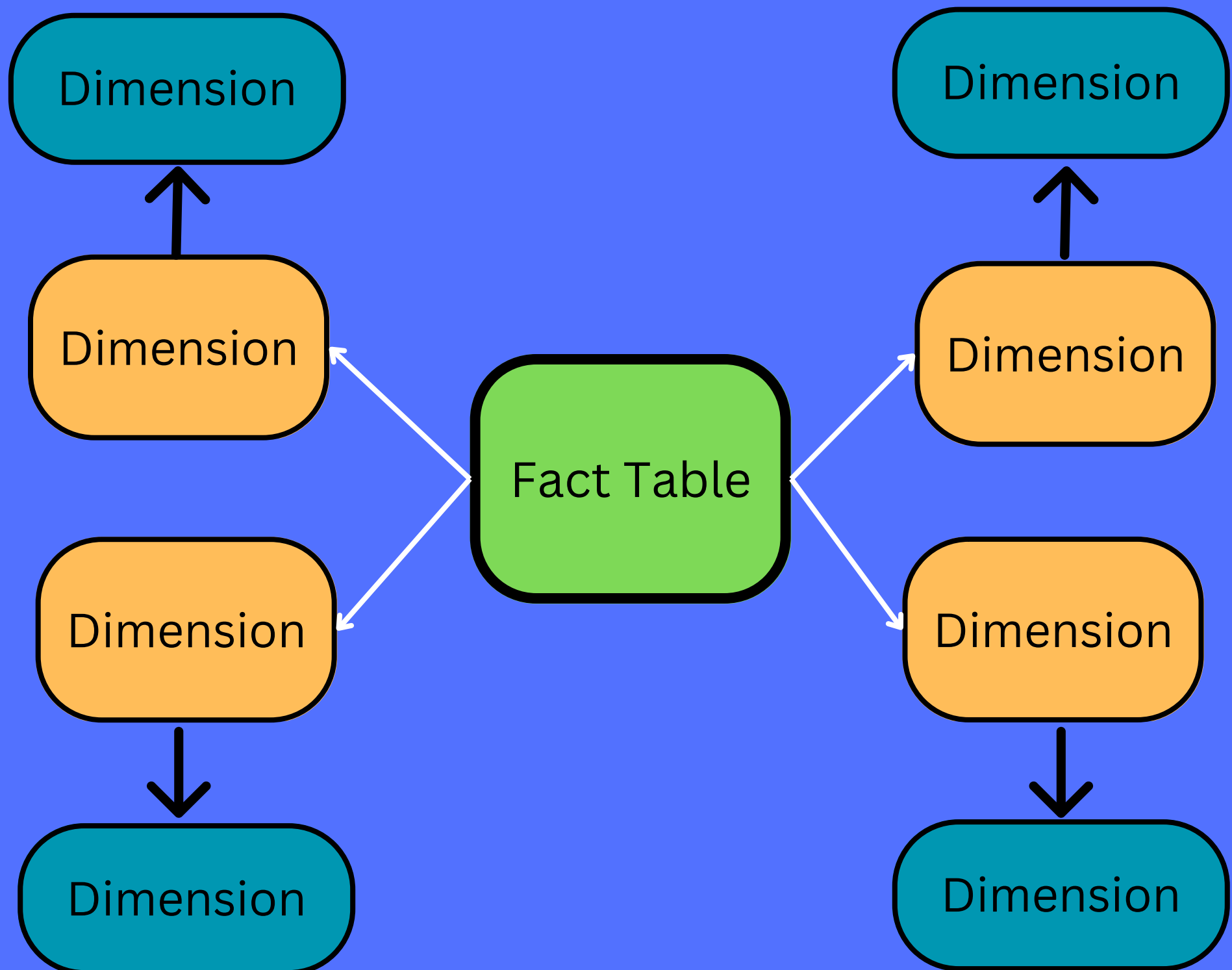
Dimension

Dimension

Fact Table

Dimension

Dimension

SnowFlake Schema

Star vs SnowFlake Schema

Star schema contains a fact table surrounded by dimension tables.

In snowflake, One fact table surrounded by dimension table which are in turn surrounded by dimension table.

Star vs SnowFlake Schema

In a star schema, only single join creates the relationship between the fact table and any dimension tables.

A snowflake schema requires many joins to fetch the data
as it joins facts with dimension and dimension with sub-dimensions.

Star vs SnowFlake Schema

Star schema is a top-down model and uses more space.

SnowFlake schema is a bottom-up model and uses less space.

Star vs SnowFlake Schema

Star Schema's design is very simple and queries take less time to execute.

Snowflake Schema's design is complex and queries take more time to execute.

Star vs SnowFlake Schema

Star schema has less number of foreign keys and high data redundancy.

While Snowflake has more number of foreign keys and low data redundancy.