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📢📢 Data Warehousing Schemas

Much like an OLTP system(database), an OLAP system(data warehouse) is also required to maintain a schema

➡️ Star Schema
✅ Each dimension is represented by only one dimension table
✅ The dimension tables are directly linked with the fact table
✅ Queries are not that complex because of straightforward joins.
✅ Simple queries result in the faster query response time
✅ Most widely used in the industry

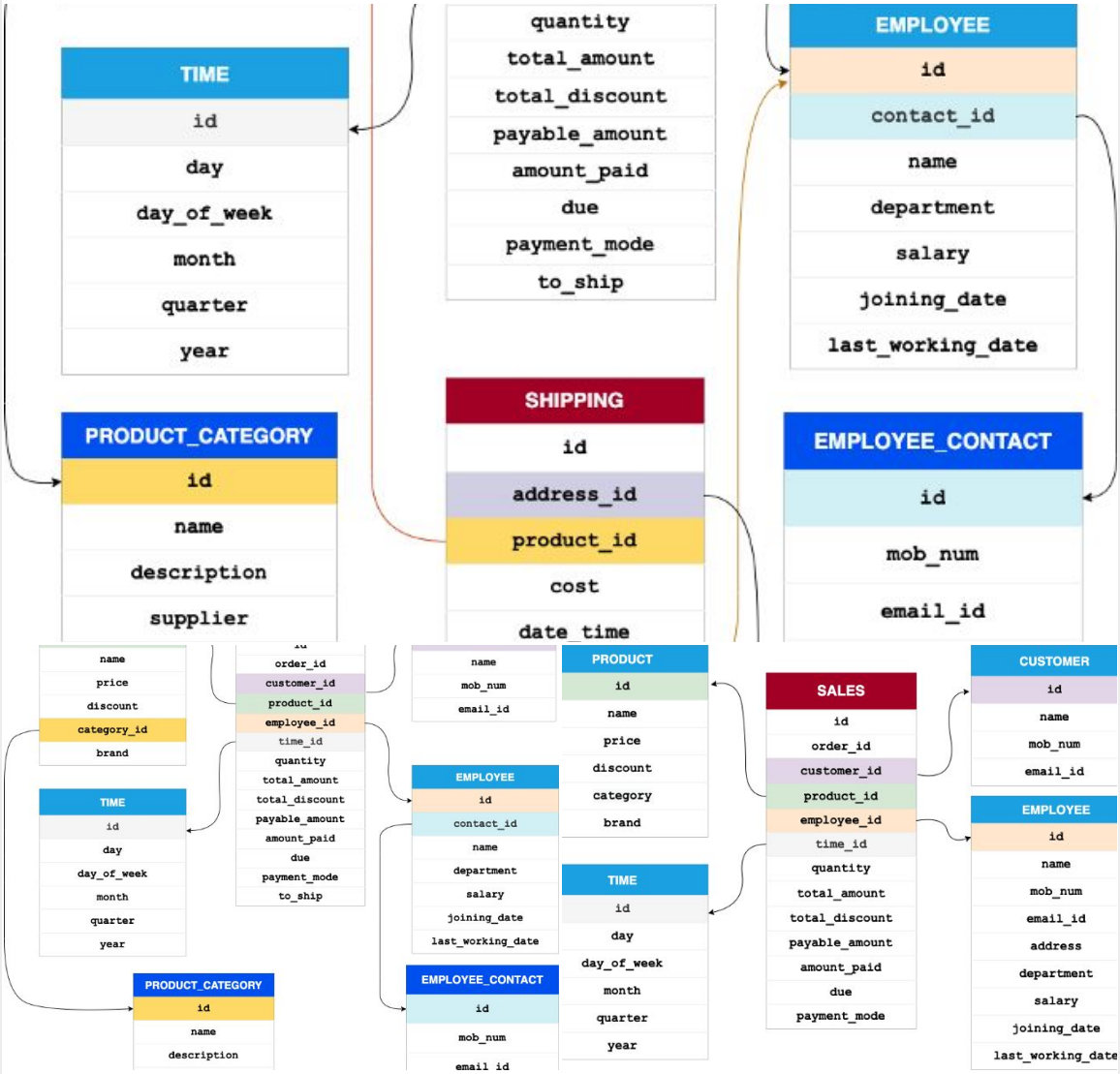
➡️ Snowflake Schema
✅ The dimension table is split into sub-dimension tables
✅ Some dimensions are normalized to avoid redundancy of data
✅ Used when a dimension table starts growing at a higher rate

➡️ Galaxy Schema
✅ It is also called Fact Constellation Schema
✅ It has more than one fact
✅ It can be an extension of either star schema or snowflake schema
✅ The same dimension table can be shared between more than one fact table

Lets together Demystify the Tech.

Keep Learning!! Keep Growing!!

Follow me along- if you wish.

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But as far as performance is concerned,snowflake scheme is not recommended.

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Mohit Upadhyay Absolutely right....for current scenario where organization have to deal with huge amount of data we have to adopt Snowflake Schema... as Star Schema is not suited for Dimension table with huge number of rows

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**Manish Tewari, PMP** (He/Him) • 3rd+
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There is no thumb rule that can determine usage of either of the 2 schema patterns. It's a choice between storage and performance. Snowflake schema would be a better choice when optimal storage is desired whereas star schema would be an apt choice when optional performance is required. But overall very good explanation ( ...see more

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Thanks for posting

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Thank you Sourav Banerjee