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Task #3

Q: Can a db be used a DWH?

A: Yes, a DB can be used as DWH as far as we are following DWH properties while designing the DB. Some properties of DWH are

- handling complex queries, ETL operation
- Accuracy & Consistency
- handling large volume of data

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Q: Major difference b/w

structured data	Unstructured data
- standardized, clearly defined, and searchable data	- Raw, native format data
- It is quantitative	- It is qualitative.
- Stored in DWMs often Relational db	- Stored in data lake no SQL
- It is easy to analyze and search	- It is difficult to process.
- Schema is used while writing data	- Schema is used while reading data

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Q: What are duties of Data Engineer? (High Level)

Ans: Duties of High Level Data Engineer are

i) Designing and maintaining data pipelines to store and process data from different sources to data storage architech i.e. DWH, Data Lake, Data Mesh

ii) Data storage and Retrieval of large datasets to ensure optimized processing when needed data for analysis or any reason.

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iii-) Perform transformation and cleaning of data by ETL process.

iv) Ensure the data quality and its validation by taking necessary measures.

v) Collaborate with data scientis and data analyst to provide required and tools to process it.

Data Engineer enables organization to effectively manage and analyze large volume of data for decision making.