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	Assignment-1
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	" The filmer of the sac solder deliverance and live
*	Title: Fox an organization of your choice, choose a set of
ring	business processes. Design a star snowflake schemas
	for analyzing these processes a fact constellation
	schema by combining them Extract data from different
	data cource, apply cuitable transformations and loud into
	destination tables using an ETL TOOL.
	<u>Example:</u> Business organization: rales order, marketing process.
*	Objective: Implement the problem statement using ETL Tool. Study
	star srouflake schema
*	<u>Outcome</u> : Undexistood stax is snowflake is chemais.
	used on ETL tool to implement a given problem statement.
-	
•	S/W & H/W Requisements: Pentaho data integration tool 9.0.0,
	64-bit OS, open JOK-8, Machine with 64-bit processor.
ч.	
-\X	Theory:
15	the chance they show a box like a linearious
7	stax schema; i stax schema boks like a stax, with the dimensions
	tables surrounding the rentral fact table.  (ii) Every dimension in a star scheme is represented with
	the only one dimension table.
	(iii) Dimension table contains set of attoibutes.
	in Dimension table is inimed to fart table using a
	foseign key
	(v) Dimension tables are not joined to each other.
	(u) star schema is easy to understand and provide
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	optimal disk wage.
(vii)	The schema is widely used by business integration tools.
(Viii	The dimensiona tobles are not normalized
27	Snowflake Schema : i A mouflake schema is on extension of
	star schema, it adds additional dimensions
	ii) The dimension tables are normalized which spirits
	data into additional tables
	(iii) snowflake whoma uses smallex disk space.
	(lu) It is easier to add a new dimension to echema:
	(4) Due to multiple tables query performance is
42	ETI: FTI is an abbreviation of expect transfers and land &
	ETL: ETL is an abbreviation of Extract, Transform and load in
	this process, an ETI tool extracts the data from diff
	RDBMS source systems then transform the data like
	applying ralculations, concatenation at and then bad the
	data into the Data warehouse system.
	In ETL, data is
	taken from source to target. In ETL process, transformation
	engine takes case of any data changes.
-	Instead of
	transforming data before its written, FIL rets the target
	system to do the transformation. The first data copied
	to the target and then transform in place:
eter f	centaho: - It is an intuitive, graphical, dog and doop design
	environment and a power, scalable, standard based
	arhitecture.
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	Data integration delivers powerful extraction,
	transformation and bading rapabilities, using a ground

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	breaking, meta-data driven opproach.
d <sub>e</sub>	Conducioni to extract data from dill.
T	Conclusion: Thus, we have learnt to extract data from diff.  data source, apply suitable transformations and load
1	into destination tables using ETL tool
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