Assignment A) 41403 Title: Design start anow flake schemas for analyzing the process problem statement: for an organization of year choice, choose a set of business processes. Design stor | snowflake schemas for analyzing these processes. Comale a fact constellation schema by constearing them extract dato from different data sources apply quitable tourstormation & load into destination tables using an ETC tool. pre-g. business organizations: sales order Learning Objective: To understand stand snowhake To understand ETL tools Learning Outcomes: Students will be able to use FII tool to design and also be able to analyze different schemas (snow star etc) 9/w 4/w requirements: An ETL tool ez pantaho Theory:

- snowflake Schema: It is variant of star scheme

The centralized fact table is connected to Theon: myltiple dimensions.



41403 In the grouplake gchema, dimensions are present in normalized form in multiple and ated tables. This effect affects only the dimension tables and not the fact tables Time dimension order In Order Dabe Nones Year CatedoutD month Category modut In Hans Customer ID Desvortion Employ & ID Mame Address Employer Dimed Quantity niscount City dimen Nume Home zipcode Name 1000 from

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	reduce dependancy. Tables are easy to insintain				
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	- 45e grall digk space				
	- easy to implement				
	- performance seduces due to multiple tables				
	Advantages				
	-provides stouched date which reduces the				
The state of the s	problem of data integraty - highly structured data reduces disk space				
	- Light atouctured data seduces disk space				
	Disadrontages				
	hierarchy should belong to the dimension				
	Microschy ground belong to be a constaked				
	table only & ghould never be snowflaked				
	Stargehema: can have one fact table and many				
	dimension table. Simplest type of data warchouse				
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	characteristics:				
	- only one fact table				
	- only one fact table - Dimension table or not joined to each other				
	- casy to understand				
	- solected organization, college snow flake scheme				
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