	Page						
	Star schema:						
	markibbus shrings it is						
146	* A estar schema is ia type						
	of data modeling turnique used						
	in data warehouse to represent						
10%	of data modeling technique used in data warehouse to represent data in a warehouse way.						
ata	* In a star schema data is						
	* In a ilar schema data is						
	organized into a central fact table						
(1)	that contains the measures						
Jul 1	of interest.						
	Devitediyes.						
	* It is surrounded by dimension						
	* It is surrounded by dimension tables that describe the attributes						
677	of the measures, was well						
- Charles	gotes Justery execute Cipier						
OIL	Component in anil continue						
1)	Fact Table: ** It wontains the key data that are important for analysis.						
^	It wontains the key data						
	that are important you						
	analysis,						
133	The state of the s						
134 13	# Eg: In sales data warehouse, it might include information like sales revenue; units sold and						
	at might include injournation of						
	profit margins.						
	* Each revord in the fact table corresponds to a specific event or iteranscution such as is ale as order.						
	table corresponds to a specific						
,,	event or transaction such						
	as is ale as vorder.						

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ii)	Dimension Tables: H Et provide additional details about the data in the							
	* It provide additional							
	details about the plata in the							
1,	fact table : 11 ton state							
	The the transfer of the transf							
	the slice and die the data							
	te plice and die the data							
1	en the fact table.							
tel	test leiters a also beginning							
	analyce the data from different							
	analyze the data from different							
	Derapulatives.							
10113	* Eg: In in a sales idata							
Burki	* Eg: In a salls idald							
	warehouse the dimension tables							
	might include product theyour							
	might include product stagery unions, time, and location.							
	· · · · · · · · · · · · · · · · · · ·							
L	* Each dimension table i is goined							
الدر	to the fact table its rough a							
	Joreign key oulationship.							
	TT 3 all							
	* This allows ares to gury							
13:10	the data in the fait table							
1	dimension tables							
	. whomis there							
	that its in house he is the feet							
110	and the second state of the							
	day, asilonopoli de timo							
	The state of the second of the							

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Date __/_ Important: * It is the fundamental schemo comong the colata mart schemo and it is simplest.

* This schema is widely und the develop or build on data warhouse and dimensional data marts. of the star whema is a receiving lause of the showfalce Time_dim orderip product Product IP. 11 - volgary quarter order 10 unot price Horith Customaip Customis-dem Fotal Emp-lim Quantity Discount Emp10 Customer 10 I Emp name ritu Cartomes Shame A ddress pepartment region. city 21p

Date _// Advontages! * Easy to understand of Fast performance * Scalable

* OLAP support * pata constituency. Dis-Advision to plant at. * Data Integrity stand Vindyland * Don't veryour many to many relationtips. Ecalury: at central fact fable Pretuit In * Dimension tables: Denvinalized structure: redunancy

n' allowed 8n etts ychema ite 8 mprous Que

& striple Querces: Quertin 89 mple

& fast l'fast 11 data; humarical data; doilly, weekly or monthly, * Foit performance: feet appens 11. Responsance

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011	snowflake schema:
	* It is a variant of the
11	star ischema,
ARY	add reinsonia with
)	of Here, the centralized feet
	of Here, the centralized fact table is donnected to mulliple
	dimensions.
	* the snowpake affects
	only the dimension tables &
	only the dimension tables & deus not saput the fact table
1	
	* Hue, ite dimension tables
	on normalized into multiple
Lands.	related tables treating a
- H	A the ste dimension tables one normalized into multiple related tables dreating a hierarchical or "snowfake"
	4 . 600 10 - 1
40.1	character stres of snowflates schema.
	Crowners Ising of strong when a
	* It wis small diste space
	muntiple .
	A It is easy to Implement the dimension that is
	added to the schema.
	It There: are multiple istables.
	so performane in reduced.
	the state of the s
	- H. The Imension fable consists.
	of 12 cos) more sets of
	Inalian.

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Date _//_ Page attributes that define information at different grains. * the years of attributes of the same dimension table care populated by different source systems. Product dim production ords ip " catigory 10 order pate Sales produttatigory din year - products P Month " chan jaki ordes P produtations lo Customes 1 p Employe IP puription. Total 11 customi dus Quantity customes in Leytomis Name discount Address Employee dum aty10 Employu - El Mamo Dept- Pol city 10 Dept-ding Diprodi. vold lin wunty. Nami location.

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Features:

* Normalization: the data is organised fally

A Hierarchical structure: It has a his shat organized caround a central fact table.

* Multiple levels: It can have multiple levels of dimension tables

of Joins: It Requires more complex

Sal averile that involve multiple

to blus Joins.

* Stability: It is Stable 8 can handle large volume of party.

Adv:

* Reduces Data integrity

dis - Adv :

* Hardis ito design * Maintunanu un be complex. * Cramples Querus