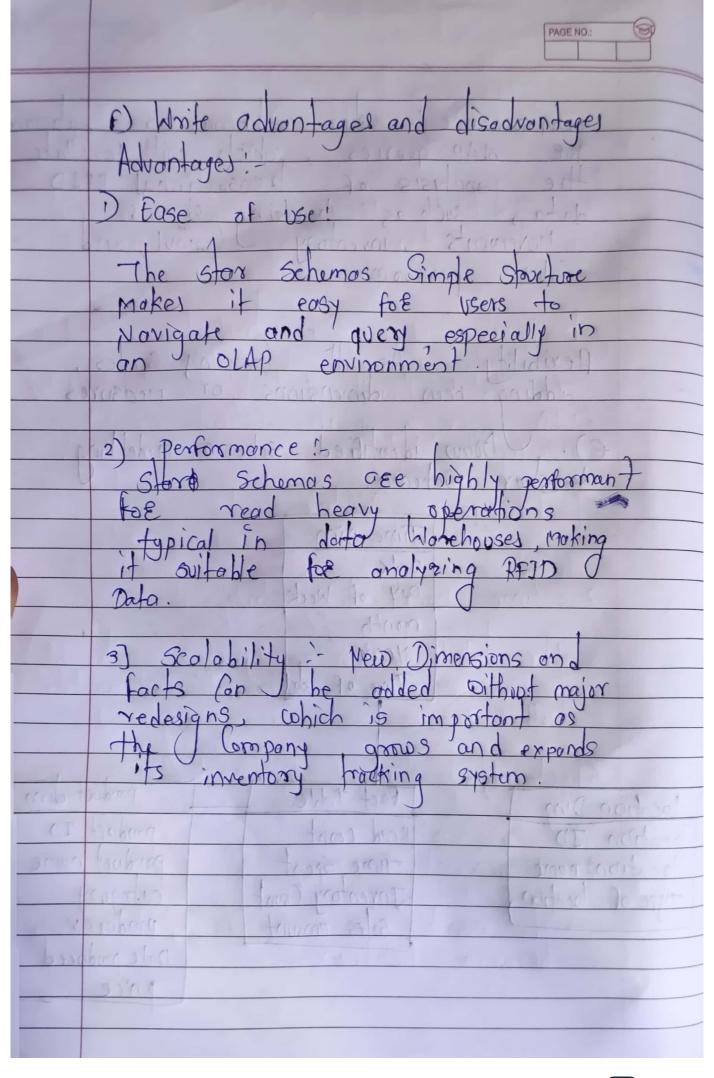
130	Nome: - Rovinaj Rameshwar Tekale
	PRN: 202302040010 Rollho: 71
	PEC Lab Assignment 2.
0)	Joenfify Grains.
	The state of the s
4000	I object location grain: Fach time on object is read by the RFID reader at a specific location
	2. object movement Grain: Tracks the
	Movement of an object bom one location to another.
	3. Inventory status grain: Represent the
11-	3. Inventory status grain: Represent the current status Jof an object.
	4. product sales grain! Each sale
	pransaction Jossociated to with
	5. time Based Tracking grain: tracks the presence of an object of a location
2 , 200	the presence of an object of a location of specific time intervals.
- bout	
	6. product ifecycle grain: Tracks an objects lifecycle from production to
	ifs current state.
	13+3 A
	The state of the s
, (0)	Dokary Diensord of Market & Colored
1000	

b) Identify dimensions and its type. 1. location: Attributes: ocation ID, location Name, ype of location eg harehouse Type of: Conformed dimension. Attributes: Date, Day of Week, month, year, time of day. Type: - Pole - playing Dimension 3. product: Attabutes: product ID, product Name. Category, producer; Date produced, Type: Slowly Changing dimension 4. RFID Tag: Attributes: 7FID, Associated product ID, Tag status

	PAGE NO.:
	Ope:- Degenerate Dimension.
	C. Jacontify Measures and facts and its types.
*	The total Count of objects macked by RFID over a specific period or at a specific location.
	fact type: - Additive fact. 2. Time Spent of acation. The total dwarfor on shielf spends at
	The total duration on object spends at a Specific location before moving to mother feet type: Semi additive fact.
	3. Movement frequency The number of times in object moves between location.

fact type: - Additive fact 4. product price with each RFID tag. fact type: Non additive fact: d) Identify Schema modelling for Justify your onswer. Schema modelling! - For sehema. Simple and provides Iraightforward query acress. handle large amonts of transactional data, stor schema is ideal for performance and ease of use,

PAGE NO.: performance - gor schemas are optimize for oldp queries, which will facillate the analysis of tronsactional RFID data, such as tracking objects
Movements, inventory Control, and Soles performance Hexibility: As the Company Scales, adding new dimensions or measures e). Drow identified schemo modelling Time Dim and part Bote Day of Week month the ensister (Year) Time of can Louisterk Fact Toble product dim ocation Dim ocation ID Redd Count product ID location name Time Spent product name Inventory Count Type of location category Soles amount producer Date produced



PAGE NO.: Disadvartages:-Data Redundary: The stor schemas denormalized sheeter Can lead to data redundacy increasing storage 2) Lack of Flexibility: While the Star Schema is great for straightforward queries. The may not handle more Complex gueries as efficiently as a Snowflake Schema 3) Mointainance: keeping dato, Consistent and
managina Bowly changing dimensions
Can be challenging particularly
no dim dynamic environment where
moduet details or locations frequently change.