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Subject: DWH

**Q:8** What is fact less fact table? Design a simple Star schema with a fact less fact Table to track patients in a hospital by diagnostic procedure and time**Ans:**

A factless fact table is fact table that does not contain fact. They contain only dimensional keys and it captures events that happen only at information level but not included in the calculations level. Just an information about an event that happen over a period.A factless fact table captures the many-to-many relationships between dimensions, but contains no numeric or textual facts. They are often used to record events or coverage information. Common examples of factless fact tables include:

* Identifying product promotion events (to determine promoted products that didn’t sell)
* Tracking student attendance or registration events
* Tracking insurance-related accident events

Doctor dimension

doc\_pk\_id

Patient dimension

pt\_pk\_id

doc\_pk\_id

pt\_pk\_id

dd\_pk\_id

dt\_pk\_id

Disease dimension

dd\_pk\_id

Date dimension

dt\_pk\_id

**Q: 9** Define any example scenario and draw a dimensional model depicting the concept of Fact less fact Table.**Ans:**

We are constructing a dimensional data model for the a transport service provider (Uber) the important which is providing a rental car and bike service all over the globe dimension are vehicle, customer, driver, initial location and final destination and payment

Driver dimension

drv\_pk\_id

Payment dimension

pyt\_pk\_id

drv\_pk\_id

pyt\_pk\_id

cus\_pk\_id

iniLoc\_pk\_id

finLoc\_pk\_id

Customer dimension

cus\_pk\_id

Initial Location dim

iniLoc\_pk\_id

Finely Location dim

finLoc\_pk\_id