

## :- Assignments :- (01) :-

Q. What is Metadata? Explain Data Warehouse Metadata with Example.

⇒ Def<sup>n</sup> :- Data Warehouse Metadata are pieces of information stored in one or more special purpose metadata repositories that include.

- (a) Info on the contents of the data warehouse, the loc & their structure
- (b) Info on the process that take place in DW. back-stage concerning the refreshment of the warehouse with clean up-to-date, semantically, and structurally reconciled data.
- (c) Information on the implicit semantics of data along with any other kind of data that aids the end-user exploit the information of the warehouse.
- (d) Information on the infrastructure and physical characteristics of components and the sources of the data warehouse.
- (e) Info including security, authentication and usage statistics that aids the administrator runs the operation of the data warehouse as appropriate.



→ DW metadata :- It has specific requirements  
Metadata that desc. table typically - in

- Physical name
- Logical name
- Type : fact Dimension Bridge
- Role : Legals, OLP, stage
- DBMS: DB 2, Informatica
- Location
- Definition
- Notes

→ Metadata describes columns within Table

Physical Name	Logical Name
Order in Table	Default type
Length	Decimal positions
Nullable/Required	Default value
Edit Rule	Definition
Notes	



## Example of Metadata for Customer sales data warehouse

- Entity Name : Customer
- Alias names : Account, client
- Definition : A person or an organization that purchases goods or services from the company.
- Remarks : Customer entity includes regular, current, and past customers.
- Source systems : Finished Goods Order, Maintenance Contracts, Online Sales
- Create Date : June 15, 2007
- Last update Date : June 21, 2009
- Update Cycle : Weekly
- Last Full Refresh Date : December 29, 2008
- Full Refresh Cycle : Every six months
- Data Quality Reviewed : July 25, 2009
- Last Deduplication : June 05, 2009
- Period Archival : Every six months
- Responsible User : Rallavi M

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