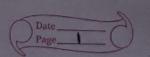
18CE 1009 AIA3 Shivam kendre



9.7

Data warehouse is subject oriented integrated, time-variant and non volutile collection of data in support of management's decision making process in 1990 defined by bill inmon in 1990 characteristics

- 1) Subject oriented:
  Data that gives information about a particular subject instead of about a company's outgoing operations.
- 2) Integrated: 
  Data that is gathered into data

  warehouse from a variety of sources

  and integ merged into a coherent whole.
- 3) Time variant:
  All data in the data warehouse
  is identified with a particular time
  period

4) Non volatile oDouta is stable in douta wavehouse.
but douta is never removed. This enables
management to gain consistent picture of
business

=0	18061009 A 11A31 Shivam Kerdse  Date Page 2
g.	2] OLTP OLAP
ion	Dit is transaction i) it is subject oriented
'on	3) Real time 3) historical
n	information information
	(4) it has highly (1) it has non volatile data
3	5) Single purpose 5) multiple models model-supports - support
4	system system
Correct	6) validate model 6) Validate model
9736	function analysis requirements
	7) Matural 00 7) Survingate keys
to tong	8) Technical meta 8) Technical metadata
120/6	doute depends on depends an business requirements doute mapping
	It stai sense i grade results
	9) Dorta redundancy 9) Dorta redundancy is had is good
1	

18061009 AIA3 Shivam Kendere 9.2] SPILLED Flat 1) Entraction' ata In this step, data is entracted ive from the source system into the staging our a sea. Tooms formations it any are done in staging area so that performance of source system is not degraded. Also, if corrupted data is copied directly from the source into pata wasehouse database, sollback will be a challenge staging area gives an oppusturity to validate entracted douta before it moves into the data wasehouse

form. Therefore charges data cleaned introduce it preads to be In fact this is the key step where Tansformation !and not usable in its anying Double entered from source Shipm Kendre Page 4

can 0 Down set of functions on move or pass through data transfermation is called data. not in database perform customized operation that does not orquise any Concepts it is sum-of-sales revenue In transfermation step, you Fox one of the important instance, if the user whose you apply extracted darker as direct which

3) loading datama rehouse aloutabase wasehouse, huge volume of heeds to be optimized for short period. ETL process. In typical loading data Hence loaded in performance into the this is relatively to sa ex last step a outo Should daya