Data Warehousing

CS-452

Assignment # 1

Book: *Data warehousing fundamentals: a comprehensive guide for IT professionals*. John Wiley & Sons, 2004 by Ponniah, Paulraj.

Chapter 1   Exercise 1 only

1. Match the columns:

1. information crisis	A. OLTP application
2. strategic information	B. produce ad hoc reports
3. operational systems	C. explosive growth
4. information center	D. despite lots of data
5. data warehouse	E. data cleaned and transformed
6. order processing	F. users go to get information
7. executive information system	G. used for decision making
8. data staging area	H. environment, not product
9. extract programs	I. for day-to-day operations
10. information technology	J. simple, easy to use

Chapter 2   Exercise 1, 2, 4

1. Match the columns:

a. nonvolatile data	A. roadmap for users
2. dual data granularity	B. subject-oriented
3. dependent data mart	C. knowledge discovery
4. disparate data	D. private spreadsheets
5. decision support	E. application flavor
6. data staging	F. because of multiple sources
7. data mining	G. details and summary
8. metadata	H. read-only
9. operational systems	I. workbench for data integration
10. internal data	J. data from main data warehouse

2. A data warehouse is subject-oriented. What would be the major critical business subjects for the following companies?

   a. an international manufacturing company
   b. a local community bank
   c. a domestic hotel chain

4. For an airlines company, identify three operational applications that would feed into the data warehouse. What would be the data load and refresh cycles?