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CIS 245 ONL01

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Lab #9

### [Lab9](https://courses.mc3.edu/webapps/assignment/uploadAssignment?content_id=_8748448_1&course_id=_151747_1&group_id=&mode=view)

Answer **20** "Review Questions" from the end of **Chapter 7** (p.507-508) in the following manner:

***1) Pick 10 questions of your choice from the group of review questions 7.1 to 7.26***

***AND***

***2) Pick 10 questions of your choice from the group of review questions 7.27 to 7.53***

(Place your answers in a Word document and submit here for credit.)

7.1 What arc Bl systems?

7.2 How do BI systems differ from transaction processing systems?

7.3 Name and describe the two main categories of BI systems.

7.4 What are the three sources of data for BI systems?

7.5 Summarize the problems with operational databases that limit their usefulness for BI applications.

7.6 What is an ETL system. and what functions does it perform?

7.7 What problems in operational data create the need to clean data before loading the data into a data warehouse?

7.8 What does it mean to transform data? give an example other than the ones used in this book.

7.9 Why are data Warehouses necessary?

7.10 Give examples of data warehouse metadata

7.27 Define distributed database.

7.28 Explain one way to partition a database that has three tables: Tl, T2, and T3.

7.29 Explain one way to replicate a database that has three tables: Tl, T2, and T3.

7.30 Explain what must be done when fully replicating a database but allowing only one

computer to process updates.

7.31 If more than one computer can update a replicated database, what three problems can occur

7.32 What solution is used to prevent the problems in question 7.31?

7.33 Explain what problems can occur in a distributed database that is partitioned but not replicated.

7.34 What organizations should consider using a distributed database?

7.35 Explain the meaning of the term object persistence.

7.36 In general terms, explain why traditional databases arc difficult to use for object persistence. 7.37 What does OODBMS stand for and what is the purpose of an OODBMS? 3.38 According to this chapter, why were OODBMSs not successful?

7.39 What is an object-relational database?

7.40 What is Big Data?