

Covers material in Chapter 8 & 9

Data file needed:

- none

Data files to upload to Moodle:

- Premiere.docx

Premiere Products

For the following exercises, you do not use the Premiere Products database.

Chapter 8

1. The DBA denormalized some of the data in the Premiere Products database to improve performance, and one of the resulting tables is the following:

Customer (CustomerNum, CustomerName, Street, City, State,
Zip, Balance, CreditLimit, RepNum, RepName)

Which field or fields cause the table to no longer be in third normal form? In which normal form is the de-normalized table?

Chapter 9

2. A user queries the Part table in the Premiere Products database over the company intranet. Assume the Part table contains 5,000 rows, each row is 1,000 bits (1 kb) long, the access delay is 2.5 seconds, the transmission rate 50,000 bits per second (50 kbps), and only 20 of the 5,000 rows in the Part table satisfy the query conditions. Calculate the total communication time required based on retrieving the 20 rows that satisfy the query conditions in a single message