

Chapter 1 - ANSWERS (Review Questions)

Q1.1 Give several examples of instances of data.

- Date describing a midterm exam score for a student taking a class
- Data describing a blood type of a patient
- Data describing weight of a football player

Q1.2 Give several examples of converting data to information.

- Calculating student's final grade in a class, based on his scores throughout a class.
- Looking up patient's blood type data before administering transfusion
- Calculating average player's weight for a football team

Q1.3 Create your own example that shows a collection of data, first without the metadata and then with the metadata.

111	John	Doe	1/1/1975
222	Jane	Smith	3/16/1982
333	Fred	Williams	5/7/1970
444	Sarah	Jones	9/1/1985

DoctorID	DoctorFName	DoctorLName	DoctorDOB
111	John	Doe	1/1/1975
222	Jane	Smith	3/16/1982
333	Fred	Williams	5/7/1970
444	Sarah	Jones	9/1/1985

Q1.4 Describe the relationship between the database and DBMS.

For example, the relationship between a DBMS and a database is similar to the relationship between the presentation software (such as MS PowerPoint) and a presentation. Presentation software is used to create a presentation, insert content in a presentation, conduct a presentation, and change or delete content in a presentation. Similarly, a DBMS is used to create a database, insert the data in the database, retrieve the data from the database, and change or delete the data

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