

EPPS 6354 Information Management

Assignment 1

Answer 1, 2, 6 and one of the remaining questions.

Prepare your answers in presentation format (e.g. post on Keynote or Powerpoint slides).

Members will be selected to present answers in class. Be ready for your presentation.

1. Name and describe three applications you have used that employed a database system to store and access persistent data. (e.g. airlines, online trade, banking, university system)
2. Propose three applications in domain projects (e.g. criminology, economics, brain science, etc.)
Be sure you include:
 - i. Purpose
 - ii. Functions
 - iii. Simple interface design
3. If data can be retrieved efficiently and effectively, why data mining is needed?
4. Why NoSQL systems emerged in the 2000s? Briefly contrast their features with traditional database systems.
5. What are the things current database system cannot do?
6. Describe at least three tables that might be used to store information in a social-network/social media system such as Twitter or Reddit.