17 Lecture - CS506

Important Subjective

Certainly, here are 10 short subjective questions about metadata along with their answers:

Question 1: What is metadata?

Answer: Metadata is the data that provides information about other data. It describes the context, attributes, and structure of data, enhancing its understanding, organization, and management.

Question 2: How does metadata contribute to data search and retrieval?

Answer: Metadata facilitates efficient data search by enabling categorization, classification, and tagging. It provides keywords, descriptions, and attributes that improve data's accessibility and relevance during retrieval.

Question 3: Give an example of technical metadata.

Answer: Technical metadata includes details like file format, data type, encoding, and data source. For instance, in an image file, technical metadata may specify the resolution, color space, and compression method.

Question 4: Why is administrative metadata important for data management?

Answer: Administrative metadata contains information about data ownership, creation date, permissions, and version history. It is crucial for tracking data changes, ensuring proper access control, and maintaining data integrity.

Question 5: How does metadata enhance data preservation in archives?

Answer: Metadata in archives includes information about the content, provenance, and historical context of items. This aids in preserving the significance and meaning of data over time, even if the original format becomes obsolete.

Question 6: What role does metadata play in digital asset management (DAM)?

Answer: In DAM, metadata assists in organizing and retrieving digital assets efficiently. It includes details such as title, description, keywords, and usage rights, streamlining asset management

Question 7: Explain the concept of structural metadata with an example.

Answer: Structural metadata defines the arrangement and relationships between different parts of a dataset or content. In a website, structural metadata specifies the hierarchy of pages, navigation menus, and links.

Question 8: How can metadata help in copyright protection?

Answer: Metadata can embed copyright information, usage terms, and creator details within digital content. This aids in asserting ownership rights and deterring unauthorized use of the content.

Question 9: Discuss the role of metadata in data analytics.

Answer: In data analytics, metadata provides information about the source, transformation, and meaning of data. Analysts use metadata to understand data lineage, quality, and suitability for analysis.

Question 10: How does metadata improve collaboration in document management systems?

Answer: Metadata in document management systems includes version history, author information, and document properties. This aids collaboration by ensuring users access the latest version, tracking changes, and identifying contributors.