22 Lecture - CS506

Important Mcqs

Sure, here are 10 multiple-choice questions (MCQs) related to Serialization along with their solutions and multiple options:

Question 1: What is Serialization in programming?

- A) Converting data to binary format
- B) Encrypting data for security
- C) Organizing data in a database
- D) Sorting data in ascending order

Solution: A

Question 2: Which of the following is a common use of Serialization?

- A) Creating user interfaces
- B) Sending emails
- C) Storing data in files or databases
- D) Running mathematical calculations

Solution: C

Question 3: What is the primary benefit of Serialization?

- A) Faster data processing
- B) Enhanced data security
- C) Efficient memory usage
- D) Data interchangeability

Question 4: Which data format is commonly used for cross-language Serialization?
A) JSON (JavaScript Object Notation)
B) XML (eXtensible Markup Language)
C) CSV (Comma-Separated Values)
D) TXT (Plain Text)
Solution: A
Question 5: What is Descrialization?
A) Data encryption process
B) Reconstructing serialized data into its original form
C) Data validation process
D) Data compression technique
Solution: B
Question 6: In Java, which interface is used for objects to be serialized?
A) Serializable
B) Serialize
C) Transient
D) Convertible
Solution: A
Question 7: Which of the following data types is NOT commonly serializable?
A) Integer
B) String

Solution: D

C) Date
D) Thread
Solution: D
Question 8: What happens if an object contains a member marked as "transient" during serialization?
A) The member is serialized as normal.
B) The member's data is lost.
C) Serialization fails and throws an error.
D) The member is serialized with a warning.
Solution: B
Question 9: Which of these languages supports built-in Serialization?
A) Python
B) C++
C) JavaScript
D) Assembly
Solution: A
Question 10: What is the role of serialVersionUID in Java Serialization?
A) It specifies the version of the Java runtime.
B) It determines the size of the serialized data.
C) It uniquely identifies a version of a serializable class.
D) It specifies the order of serialization for class members.
Solution: C