

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

****Solution: D****

****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 Deserialization?*****

- 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

- 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****