Multiple Choice

1. What is the purpose of implementing the Cloneable interface in Java?
   a. To indicate that an object can be safely cloned using the clone() method
   b. To provide a way to create a deep copy of an object
   c. To override the clone() method in the Object class
   d. To prevent the JVM from throwing a CloneNotSupportedException

2. What happens if an object does not implement the Cloneable interface in Java?
   a. The object cannot be cloned using the clone() method
   b. The object will be automatically deep copied
   c. The JVM will throw a CloneNotSupportedException
   d. The object will be shallow copied

3. What is the result of attempting to clone an object without implementing the Cloneable interface and the
   a. The object will be deep copied
   b. The JVM will throw a CloneNotSupportedException
   c. The object will be shallow copied
   d. The object cannot be cloned

4. What is the purpose of the clone() method in Java?
   a. To create a deep copy of an object
   b. To indicate that an object can be safely cloned using the clone() method
   c. To override the clone() method in the Object class
   d. To prevent the JVM from throwing a CloneNotSupportedException

5. Which approach closely mimics the Cloneable feature and is Java-specific?
   a. Using the Cloneable interface
   b. Implementing a custom clone method
   c. Using the Serializable interface
   d. Using the Comparable interface