

C# QUIZ 2

1. Which of the following is not an OOP concept supported by C#?
 - A. Abstraction
 - B. Inheritance
 - C. Encapsulation
 - D. Concurrency

2. What is the difference between an abstract class and an interface in C#?
 - A. An abstract class can have constructors while an interface cannot.
 - B. An abstract class can have fields while an interface cannot.
 - C. An interface can have method implementations while an abstract class cannot.
 - D. An interface can inherit from other interfaces while an abstract class cannot.

3. Which of the following is an advantage of using LINQ in C#?
 - A. Faster code execution
 - B. Improved memory management
 - C. Reduced code complexity
 - D. Increased application security

4. What is the difference between a struct and a class in C#?
 - A. A struct is a value type while a class is a reference type.
 - B. A struct can implement interfaces while a class cannot.
 - C. A struct can inherit from other structs while a class cannot.
 - D. A struct can have constructors while a class cannot.

5. Which of the following is an advantage of using delegates in C#?
 - A. Improved code readability
 - B. Better memory management
 - C. Enhanced code security
 - D. Increased code flexibility

6. Which of the following statements is true about the using keyword in C#?

- A. It is used to declare variables.
- B. It is used to create objects.
- C. It is used to release unmanaged resources.
- D. It is used to perform type conversion.

7. What is the difference between a value type and a reference type in C#?

- A. A value type is allocated on the stack while a reference type is allocated on the heap.
- B. A value type is allocated on the heap while a reference type is allocated on the stack.
- C. A value type can be null while a reference type cannot.
- D. A value type can be inherited from while a reference type cannot.