SOLID Principles: Questions and Answers

Q1. What does SOLID stand for?

A1. SOLID stands for Single Responsibility Principle, Open-Closed Principle, Liskov Substitution Principle, Interface Segregation Principle, and Dependency Inversion Principle.

Q2. Why are SOLID principles important?

A2. They improve code maintainability, scalability, and readability, reducing bugs and technical debt.

Q3. Are these five principles the only design principles in software development?

A3. No. While SOLID is widely recognized and very important, there are many other design principles and patterns.

Q4. Does the order of the SOLID principles matter?

A4. No. The acronym is mainly a mnemonic; the principles can be applied in any order as needed.

Q5. What can we expect to learn next about the SOLID principles?

A5. Each principle will be explored one by one, illustrating theory and practice with examples.