- Spring Framework & Spring Boot Quiz Answer Key
- 1. What is the main functionality of Spring Initializr in the development process?
- Generating Spring Boot projects efficiently
- 2. When configuring beans in Spring, which method allows defining bean scope using Java annotations?
- ✓ Applying the @Scope annotation on a bean class
- 3. Which module of the Spring Framework is primarily used for dependency injection?
- Spring Core Container
- 4. Which of the following best describes the key advantage of using Spring Boot over traditional Spring framework?
- ✓ Spring Boot simplifies the setup process and reduces configuration overhead
- 5. Which of the following is a benefit of using Spring Boot within the Spring framework?
- ✓ It simplifies the setup and development of Spring applications
- 6. Which type of Spring IoC container is most suitable for lightweight applications and simple bean management?
- BeanFactory container
- 7. Which component of a Spring application is responsible for managing object lifecycles and configuring dependencies?
- Spring Container
- 8. How does the MVC pattern contribute to the development of web applications using the Spring Framework?
- ✓ It separates the application into three interconnected components, allowing for efficient role separation
- 9. How can Spring Initializr assist in setting up a Spring Boot project effectively?
- ☑ By generating project structure and dependencies
- 10. What are the core benefits of using Spring Boot in application development?
- Rapid development and deployment capabilities
- 11. Which layer in Spring Boot architecture is responsible for handling business logic?
- Business layer

- 12. What is the primary purpose of the Spring Framework in Java?
- To develop flexible, lightweight, and focused applications
- 13. How does the Spring framework utilize inversion of control containers?
- ✓ Managing object creation and dependencies throughout the application lifecycle
- 14. In setting up a dynamic web project in Eclipse, what is the role of Apache Tomcat?
- It serves as a web server to host and run web applications
- 15. How does Spring Boot's configuration differ from that of traditional Spring framework?
- Spring Boot uses convention over configuration to reduce manual setup.
- 16. What are the benefits of using Spring Boot in developing Java applications?
- It simplifies the configuration and setup process, allowing rapid application development
- 17. In the context of Spring Boot architecture, what is the primary purpose of the presentation layer?
- ✓ Managing user interaction
- 18. What tool is commonly used to build and manage Spring projects in Eclipse?
- Maven
- 19. Which of the following statements best describes constructor-based dependency injection in Spring?
- Dependencies are passed as constructor parameters, allowing immutable configurations
- 20. What is the primary role of a Spring IoC container in an application context?
- Managing bean instantiation, assembly, lifecycle, and dependencies