# Quiz

**Which annotation combines @Configuration, @EnableAutoConfiguration, and @ComponentScan?**

* @EnableAutoConfiguration
* @ComponentScan
* @Configuration
* @SpringBootApplication

**What is the primary purpose of the @Controller annotation?**

* Handles HTTP requests and returns data directly as JSON or XML
* Defines a class as a service in the business logic layer
* Defines a class as a controller that handles HTTP requests and returns a view name
* Indicates a class is a Data Access Object (DAO) in the persistence layer

**What is the difference between @Controller and @RestController?**

* @Controller is for RESTful web services, while @RestController handles HTTP requests
* @Controller handles HTTP requests, while @RestController is for RESTful web services and returns data directly
* Both annotations are the same.
* @Controller is for legacy applications, while @RestController is for modern applications.

**Which annotation is used to indicate a class is a service in the business logic layer?**

* @Component
* @Controller
* @Repository
* @Service

**What is the purpose of the @Autowired annotation?**

* Defines a reusable pointcut expression
* Binds the method parameter to the body of the HTTP request
* Automatically injects dependencies into a Spring bean
* Specifies the details of a column in a database table

**Which annotation is used to define a query method in a Spring Data repository?**

* @Query
* @Repository
* @Transactional
* @Entity

**What does the @RunWith(SpringRunner.class) annotation do in a Spring Boot test?**

* Provides a bridge between JUnit and the Spring TestContext Framework
* Defines the configuration of the ApplicationContext in a Spring Boot test
* Handles exceptions in a specific controller or globally
* Enables Spring Boot's auto-configuration mechanism

**Which annotation is used to define advice methods that run around a method execution?**

* @Around
* @Pointcut
* @Aspect
* @Before

**What is the purpose of the @RequestBody annotation in Spring Web?**

* Adds attributes to the model before the handler method is invoked
* Handles exceptions in a specific controller or globally
* Sets the HTTP response status code
* Binds the method parameter to the body of the HTTP request

**Which annotation is used to identify a class as an aspect in AOP?**

* @Aspect
* @Before
* @Around
* @After