# Quiz

**What is the primary function of the `@SpringBootApplication` annotation in Spring Boot?**

* It combines multiple annotations for a Spring Boot application's entry point.
* It indicates a class is a service in the business logic layer.
* It defines a class as a controller handling HTTP requests.
* It enables the auto-configuration mechanism.

**Which annotation is used to define a class as a controller in Spring MVC?**

* @Repository
* @Controller
* @RestController
* @Service

**Which annotation is specifically designed for RESTful web services in Spring?**

* @Controller
* @Service
* @Repository
* @RestController

**What annotation is used to indicate a class is a Data Access Object (DAO) in the persistence layer?**

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

**Which annotation is used to automatically inject dependencies into a Spring bean?**

* @Autowired
* @Qualifier
* @Value
* @Component

**What annotation is used to specify which bean should be injected when multiple candidates of the same type exist?**

* @Autowired
* @Qualifier
* @Component
* @Service

**What is the purpose of the `@Entity` annotation?**

* To customize the mapping of a field to a column.
* To indicate a class is a Spring Data repository.
* To define a query method using JPQL or native SQL.
* To define a data entity managed by the ORM system.

**What annotation defines a query method using JPQL or native SQL in a Spring Data repository?**

* @Repository
* @Column
* @Entity
* @Query

**What annotation is used to provide a bridge between JUnit and the Spring TestContext Framework?**

* @RunWith(SpringRunner.class)
* @Value
* @SpringBootTest
* @Configuration

**What annotation defines advice methods to run before, after, or around a method execution in AOP?**

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