Flashcards

# Flashcard 1

Question: What is the main entry point for a Spring Boot application?

Answer: @SpringBootApplication

# Flashcard 2

Question: Which annotation combines @Configuration, @EnableAutoConfiguration, and @ComponentScan?

Answer: @SpringBootApplication

# Flashcard 3

Question: What is the purpose of the @Controller annotation?

Answer: Defines a class as a controller for handling HTTP requests in Spring MVC.

# Flashcard 4

Question: What is the difference between @Controller and @RestController?

Answer: @RestController is designed for RESTful web services and returns data directly, while @Controller returns a view name.

# Flashcard 5

Question: What is the purpose of @Service, @Repository, and @Component?

Answer: They are stereotype annotations indicating the roles of Spring components in different layers of the application.

# Flashcard 6

Question: What is the purpose of the @Autowired annotation?

Answer: Automatically injects dependencies into a Spring bean.

# Flashcard 7

Question: What is the purpose of the @Qualifier annotation?

Answer: Specifies which bean to inject when there are multiple candidates of the same type.

# Flashcard 8

Question: What is the purpose of the @Entity annotation?

Answer: Defines a data entity managed by the ORM system, mapping class fields to database tables/columns.

# Flashcard 9

Question: What is the purpose of the @Transactional annotation?

Answer: Defines the scope of a single database transaction.

# Flashcard 10

Question: What is the purpose of the @RequestBody annotation?

Answer: Binds a method parameter to the body of the HTTP request.