

WJP_FinalQuiz_Aug2024

1. While using xml based configuration in Spring , <property> tags are used for
 - ☐ Constructor based D.I
 - ☒ Setter based D.I
 - ☐ Factory based D.I
 - ☐ Auto wiring byName
2. Given - ProductController class is a spring bean dependent upon ProductService .
ProductService is an interface.

Code in ProductController class

@AutoWired

```
private ProductService productService;
```

What will happen in case of multiple implementation classes of ProductService ?

Choose most accurate option here for the root cause.

- ☒ Spring container will throw the UnsatisfiedDependencyException and abort
 - ☐ Spring container will throw the NoSuchBeanDefinitionException and abort
 - ☐ Spring container will not throw the exception , but business logic will fail
 - ☐ Spring container will throw the NoUniqueBeanDefinitionException and abort
3. In Spring AOP , which is the most powerful form of advice ?
 - ☐ @Before
 - ☐ @After
 - ☐ @AfterReturning
 - ☒ @Around

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4. Why Inversion of Control ?

- ☐ Modules make no assumptions about what other systems do but rely on their specifications.
- ☐ Every module can focus on what it is designed for.
- ☐ Replacing modules has no side effect on other modules.
- ☒ All of above

5. Which of the following is not in Spring Data JPA repository hierarchy ?

- ☐ CrudRepository
- ☐ JpaRepository
- ☐ PagingAndSortingRepository
- ☒ ReactiveCrudRepository

6. Which class will you use to launch Spring container in a standalone environment ?

- ☐ WebApplicationContext
- ☒ ClassPathXmlApplicationContext
- ☐ GenericWebApplicationContext
- ☐ None of above

7. What are the dependencies of DaoAuthenticationProvider in Spring Security ?

- ☐ A. PasswordEncoder
- ☐ B. UserDetailsService
- ☐ C. UserDetails
- ☒ D. A and B both.

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8. How will you configure a bi directional one to many and many to one association between Author 1 \leftrightarrow * Book.

Choose most efficient option

☐ In Author class

@OneToMany

```
private List<Book> books=new ArrayList<>();
```

☒ In Author class

@OneToMany(mappedBy="bookAuthor")

```
private List<Book> books=new ArrayList<>();
```

In Book class

@ManyToOne

```
private Author bookAuthor;
```

☐ In Book class

@ManyToOne

```
private Author bookAuthor;
```

☐ In Author class

@OneToMany

```
private List<Book> books=new ArrayList<>();
```

In Book class

@ManyToOne

```
private Author bookAuthor;
```

9. What will you choose , to inject mandatory dependencies ?

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- ☒ Spring container will throw the UnsatisfiedDependencyException and abort
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- ☐ Spring container will not throw the exception , but business logic will fail
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10. Which of the following is done by DispatcherServlet in Spring MVC ?

- ☐ Starting Spring Container in web application
- ☐ Sharing results from Controller to View Layer
- ☐ Routing the client request across Spring MVC components
- ☒ All of above

11. Which of the following is not a Spring MVC component ?

- ☒ ModelMapper
- ☐ HandlerMapping
- ☐ ViewResolver
- ☐ DispatcherServlet

12. What will you choose for injecting mandatory dependences?

- ☐ autowire=no
- ☐ autowire=byName
- ☐ autowire=byType
- ☒ autowire=constructor

13. Spring Data JPA supports

- ☐ Inherited methods from CrudRepository, JpaRepository.
- ☐ Derived finder methods
- ☐ Custom query methods

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☒ All of above

14. Which of the following is true?

- ☐ In hibernate L2 cache is implicitly enabled.
- ☐ SessionFactory is a short lived , thread safe object
- ☐ Hibernate session is a long lived object , representing DB connection pool.
- ☒ L1 cache is implicitly enabled.

15. Which annotation is required to execute DMLs using spring data JPA ?

- ☐ @Query
- ☒ @Query and @Modifying
- ☐ @Repository
- ☐ @Repository and @Transactional

16. What will you use to write integration test class with Spring boot ?

- ☐ @DataJpaTest
- ☐ @SpringWebMvc
- ☐ @TestBoot
- ☒ @SpringBootTest

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17. Suppose there is a Customer entity.

In Customer class -

@OneToOne

@JoinColumn(name="cust_adr")

private Address customerAddress;

In Address entity

private String state;

All getters , setters and suitable annotations are supplied.

How will you fetch customer details from specified state, using CustomerRepository extending from JpaRepository ?

Choose simplest and most suitable option

- ☐ Can't be done by Spring data framework , will have to write the implementation class , using JPA
- ☐ Using inherited method findById
- ☒ Using derived finder method - findByCustomerAddressState
- ☐ Using derived finder method – findByCustomerAddressAndState

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18. Which annotations are used for serializing and de serializing data between JSON representation n Java objects ?
- ☐ @RestController only
 - ☐ @ResponseBody and @RequestBody
 - ☒ @RequestBody and @ResponseBody
 - ☐ @RequestMapping and @ResponseBody
19. Which of the following is true?
- ☒ Singleton beans are by default loaded eagerly
 - ☐ Custom init method is not invoked for prototype beans
 - ☐ Custom destroy method is invoked for prototype beans
 - ☐ Prototype beans are by default loaded eagerly
20. What will happen in spring application , in case of unsatisfied dependencies , injected using autowire=byName
- ☒ Spring container will throw the UnsatisfiedDependencyException and abort
 - ☐ Spring container will throw the NoSuchBeanDefinitionException and abort
 - ☐ Spring container will not throw the exception , but business logic will fail
 - ☐ Spring container will throw the NoUniqueBeanDefinitionException and abort

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