

**AdvJava\_FinalQuiz- I****220340320056**

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Submitted!

1. Which one of these technologies can be used to manage business logic of an application

**Your Answer:**

- ☐ a. HTML
- ☐ b. CSS
- ☐ c. Hibernate
- ☒ d. Spring

2. Which one of these technologies can be used to manage presentation logic of an application

**Your Answer:**

- ☐ a. Collection API
- ☐ b. Spring MVC
- ☒ c. Hibernate
- ☐ d. JDBC API

3. Which one of these technologies can be used to manage persistence logic of an application

**Your Answer:**

- ☐ a. HTML
- ☐ b. CSS
- ☒ c. Hibernate
- ☐ d. Servlet

4. Who manages the creation of objects in a Spring application?

**Your Answer:**

- ☐ a. Servlet container

- ☐ b. Web server
- ☒ c. IoC container
- ☐ d. ORM

5. Which one of these is the core feature of Spring framework

**Your Answer:**

- ☐ a. Spring Security
- ☐ b. Spring Batch
- ☒ c. Dependency Injection
- ☐ d. Spring Data

6. What is used in recent Java applications to replace XML style configuration

**Your Answer:**

- ☐ a. XSD
- ☐ b. DTD
- ☒ c. Annotations
- ☐ d. Generics

7. What is the default scope of beans in Spring framework

**Your Answer:**

- ☐ a. prototype
- ☐ b. singleton
- ☐ c. session
- ☒ d. context

8. What is the benefit of using Spring on top of Hibernate

**Your Answer:**

- ☒ a. Spring can manage all the dependencies required for using Hibernate in our application
- ☐ b. Spring provides a faster ORM as compared to Hibernate
- ☐ c. Spring provides a Connection Pool without which Hibernate cannot function
- ☐ d. Spring framework can be delegated the task of loading .hbm.xml files whereby improving the startup time of an application using Hibernate

9. Which annotation is used to inject any dependency in the code when using Spring framework?

**Your Answer:**

- ☐ A. @Override
- ☐ B. @WebServlet
- ☒ C. @Autowired
- ☐ D. @Entity

10. Which module of Spring is used for developing REST WebServices?

**Your Answer:**

- ☐ A. Spring Security
- ☐ B. Spring DAO
- ☐ C. Spring ORM
- ☒ D. Spring MVC

11. Which one from the list is an ORM product?

**Your Answer:**

- ☒ A. Hibernate
- ☐ B. Angular
- ☐ C. Spring
- ☐ D. React

12. Which JEE API standard is Hibernate API compliant with?

**Your Answer:**

- ☐ A. JDO
- ☒ B. JPA
- ☐ C. WebServices
- ☐ D. AOP

13. Which method in JPA is used for updating data in a table?

**Your Answer:**

- ☒ A. merge
- ☐ B. persist
- ☐ C. find
- ☐ D. remove

14. Which language is provided for writing custom queries in Hibernate/JPA?

**Your Answer:**

- ☐ A. SQL
- ☒ B. HQL/JPQL
- ☐ C. TQL
- ☐ D. PL/SQL

15. Which class level annotation is mandatory when mapping a Java class in Hibernate/JPA?

**Your Answer:**

- ☐ A. @Table
- ☐ B. @Column
- ☒ C. @Entity

☐ D. @POJO

16. Select the odd man out

**Your Answer:**

- ☐ A. one to one
- ☐ B. one to many
- ☐ C. many to many
- ☒ D. formula

17. Which property is used for saving changes in more than one related table in the Database when using Hibernate/JPA?

**Your Answer:**

- ☐ A. name
- ☐ B. fetch
- ☐ C. mappedBy
- ☒ D. cascade

18. What is the benefit of using JPA over Hibernate API?

**Your Answer:**

- ☐ A. JPA provides better performance as compared to Hibernate API
- ☒ B. JPA provides a contract which other ORMs also confirm to, so the benefit is that the code is loosely coupled
- ☐ C. JPA provides better support for MySQL database as compared to Hibernate
- ☐ D. JPA provides support for WebServices which Hibernate API doesn't

19. Which module of Spring provides support for dynamically generated repositories?

**Your Answer:**

- ☐ A. Spring MVC
- ☐ B. Spring IoC
- ☒ C. Spring Data
- ☐ D. Spring Security

20. Which methods of HTTP protocol are commonly used for developing REST APIs?

**Your Answer:**

- ☐ A. GET, HEAD, OPTIONS, TRACE
- ☐ B. PUT, TRACE, HEAD, PATCH
- ☒ C. GET, POST, PUT, DELETE
- ☐ D. None of the above

21. Which of the following annotation represents the primary key column in JPA?

**Your Answer:**

- ☒ A. @Id
- ☐ B. @Column
- ☐ C. @JoinColumn
- ☐ D. @Field

22. Which of the following annotation represents the foreign key column in JPA?

**Your Answer:**

- ☐ A. @Id
- ☐ B. @Column
- ☒ C. @JoinColumn
- ☐ D. @Field

23. Which of the following is true about JPQL/HQL?

**Your Answer:**

- ☐ A. It takes java objects in the same way as SQL takes tables
- ☐ B. It is an Object Oriented Query language
- ☐ C. It is database independent
- ☒ D. All of the options

**24.** Which of the given statement is true about ClassPathXmlApplicationContext?

**Your Answer:**

- ☐ A. Loads a Spring application context from one or more java based configuration classes
- ☒ B. Loads context definition from XML file located in class path
- ☐ C. Loads context definition from XML file located in the file system
- ☐ D. Loads spring web application context from one or more java based configuration classes

**25.** Choose the statement that best describes the relationship between JSP and servlets

**Your Answer:**

- ☐ A. Servlets are built on JSP semantics and all servlets are compiled to JSP pages for runtime usage.
- ☐ B. JSP and servlets are unrelated technologies
- ☐ C. Servlets and JSP are competing technologies for handling web requests. Servlets are being superseded by JSP, which is preferred. The two technologies are not useful in combination.
- ☒ D. JSPs are built on servlet semantics and all JSPs are compiled to servlets for runtime usage.

**26.** When a JSP is executed, of the following, what is most likely to be sent to the client

**Your Answer:**

- ☐ A. The source JSP file

- ☐ B. HTML
- ☐ C. The source Servlet file
- ☒ D. The compiled Servlet file

27. Which of the following is true

**Your Answer:**

- ☐ A. Depending on the number of clients(requests) those many objects of the servlet are created
- ☒ B. When a web-application is deployed, on startup all the servlets within the application get initialized automatically and are ready to service the client(s)
- ☐ C. Servlets are loaded/initialized only once in the memory when the first request is made
- ☐ D. A web application can contain only one servlet

28. What is the initial contact point for handling a web request in MVC architecture?

**Your Answer:**

- ☐ A. A JSP page.
- ☐ B. A JavaBean.
- ☒ C. A servlet.
- ☐ D. A session manager

29. What is it that we need for running web applications developed using Java?

**Your Answer:**

- ☒ A. Tomcat
- ☐ B. MySQL
- ☐ C. Oracle
- ☐ D. Angular

In what scenario, output of HTML page will not be displayed?



**30. Your Answer:**

- ☐ A. When the <html> tag is not properly closed
- ☐ B. When the <body> tag is not properly closed
- ☐ C. When the <title> tag is not properly closed
- ☒ D. When the <head> tag is not properly closed