1) In Spring AOP, the process of linking aspect with other application types or objects to create an advice object is called ---------**Weaving**

2) <list> tag is used to wire a list of values, allowing duplicates.

3) BeanFactory, ApplicationContext classes acts as IoC containers in Spring.

4) Can you inject null and empty string values in Spring? ----- **yes**

5) AOP stands for **Aspect Oriented Programming**.

6) SpEL is NOT part of core container-------**false**

Core components of spring ---- **core, Bean, context, spEL**

Beans, Core, Context,spEL are the components in Core container----------**True**

7)Following class can be extended to create custom event in spring. ans: **ApplicationEvent**

8)Which is the way to provide configuration metadata to spring?

A - XML Based configuration file.

B - Annotation based configuration.

C - Java based configuration.

**d – all of listed**

9) Which of the following are modules of Web layer?

**A – Servlet, Web, Portlet**

B - WebSocket, Servlet, Web-MVC, Web

C - HTML, JSP, WEB, Portlet

D - HTML, Servlet, WEB, Portlet

10) How many instances can be created for a global session ---- **one**

11) What display the data with help of model? ----- **View**

12) Which of the following is correct assertion about spring?

I.Spring enables developers to develop enterprise-class applications using POJOs.

II.Spring is organized in a modular fashion.

III.Testing an application written with Spring is simple

**IV. All of the list**-----------ANS

13) How after advice works?

**A - Run advice after a method execution regardless of its outcome**

B - Run advice after a class loads.

C - Run advice after http response is returned.

D - Run advice after http request is processed.

14) What is true about <list> collection configuration elements?

**A.This helps in wiring a list of values, allowing duplicates**.----------<list>

B.This helps in wiring a list of values but without any duplicates.-----<set>

C.This can be used to inject a collection of name-value pairs where name and value can be of

any type.--------<map>

D.This can be used to inject a collection of name-value pairs where the name and value are

both Strings.----------<props>

15) Element which can be used to inject a collection of name-value pairs where the name and the value can be of any type.

a)<list>

b)<set>

**c)<map>**

d)<props>

16) Element which can be used to inject a collection of name-value pairs where the name and the value are both Strings type.

a)<list>

b)<set>

c)<map>

**d)<props>**

17) What is ContextStartedEvent event?

A - This event is published when the Servlet Context is either initialized or refreshed.

B - This event is published when the HTTP Request is received.

**C - This event is published when the ApplicationContext is started using the start() method on the ConfigurableApplicationContext interface.**

D - This event is published when the HTTP Response is returned.

18) ContextStartedEvent event is published when the ApplicationContext is started using the start() method on the ConfigurableApplicationContext interface.-----**TRUE**

19) ContextClosedEvent--------is published when the ApplicationContext is closed using the close() method on the ConfigurableApplicationContext interface.-----**TRUE**

20) Which of the following not available in HQL?

a)Select

b)Where

**c)Sub**

d)Having

21) Which of the following is an available aggregate function in HQL?

a.Aggregate(property name)

**b.Count(property name or \*)**

**c.max(property name)**

**d.avg(property name)**

ANS-sum, avg and count (dont select aggregate)

22) Which of the following database is not supported by Hibernate?

A - DB2/NT

B - MySQL

**C - FoundationDB**

D - PostgreSQL

23) Which of the following is true about Hibernate?

**A - Hibernate is an Object-Relational Mapping(ORM) solution for JAVA**

B - Hibernate is an Object-Relational Mapping(ORM) solution for .NET

C - Both of the above.

D - None of the above.

24)ORM stands for Object-Relational Mapping (ORM) is a programming technique for converting data between relational databases.-----------**True**

25)What is the difference between save() and persist() methods of session object?

A - There is no difference.

B - save saves the object and returns status whereas persist stores status in different variable.

**C - save saves the object and returns the id of the instance whereas persist do not return anything after saving the instance**.

D - None of the above.

26) What is required to write a basic spring program? ANS---- jdk, ide, maven, all the above

27) JDBC, ORM, OXM, JMS, Transactions are the modules of Data Access/ Integration layer. ------**True**

28) Spring framework is a light weight framework. ------**TRUE**

29) Singleton is the default scope of any spring bean. -----**TRUE**

30) Analyze the below code snippet:

<bean class="com.spring.service.MyServiceImpl">

<property name="repository" ref="jpaDao"/>

</bean>

<bean class="com.spring.repository.JpaDao"/>

Which of the following statements is valid?

I. The "id" attribute must be declared for the bean "MyServiceImpl" because it is mandatory attribute.

II. In the second bean of type "com.spring.repository.JpaDao" the “id" attribute must be specified with name "jpaDao".

Select One

a. Both I and II are correct

**b. II only**

c. I only

d. Both I and II are incorrect

a. The first declared bean MyServiceImpl is missing an id must be named myService

**b. The second declared bean JpaDao is missing an id must be named jpaDao**

c. Answers 1 and 2 are both rights

d. Answers 1 and 2 are both wrong

31) Which of the following parses in XML based on expression and its used extensively in conjugation with xstl?

a)JDOM parser

b)SAX parser

c) STAX parser

**d) Xpath parser**

32) What is true about BeanFactory, ApplicationContext?

ANS-BeanFactory is basic and ApplicationContext is advanced

33) Which are the correct implementation classes of ApplicationContext? – ans contains xml…names

**A.FileSystemXmlApplicationContext,ClassPathXmlApplicationContext, WebXmlApplicationContext**

B.FileSystemApplicationContext, ClassPathApplicationContext, WebApplicationContext

C.AdvancedApplicationContext, FileApplicationContext

D.FileSystemApplicationContext, ClassPathApplicationContext

(answers are confusing- xml should be common in those three)

34) org.springframework.web.servlet.DispatcherServlet is the configuration in xml file for dispatcherServlet.

35) The central artifact in spring javConfig is the @Configuration annotated class?-----**True**

36) Maven is a project management and comprehension tool-----True

37) What is session scope?

**A - This scopes a bean definition to an HTTP session.**

B - This scopes the bean definition to Spring IoC container.

C - This scopes the bean definition to HTTP request.

D - This scopes the bean definition to HTTP Application/ Global session

38) What of the following is not correct in live environment?

a. Constuctor and properties autowiring in the same bean are not compatible

b. A bean should have a default or a no-args constructor

c. The <constructor-arg> tag could take type, name and index to reduce ambiguity

**d. All of the above**

What statement is correct in live environment? Select a unique answer.

1. Constuctor and properties autowiring in the same bean are not compatible

2. A bean should have a default or a no-args constructor

3. The <constructor-arg> tag could take type, name and index to reduce ambiguity

**4. All of the above**

39) Given the following configuration class, what are correct affirmations? Select one or more answers.

public class ApplicationConfig {

private DataSource dataSource;

@Autowired

public ApplicationConfig(DataSource dataSource) {

this.dataSource = dataSource;

}

@Bean(name="clientRepository")

ClientRepository jpaClientRepository() {

return new JpaClientRepository();

}

}

**1. @Configuration annotation is missing**

**2. Default or no-arg constructor is missing**

3. @Bean name is ambiguous

4. @Bean scope is prototype

40) ServletWrappingController-Wraps an existing servlet which is managed completely by the spring environment.---------**True**

41) [xml]

<id name="deptId" type="string">

<column name="columnid" length="30"/>

<generatoers/>

<id/>

[/xml]

The above is an example of creating which key?

a.DB key

b.Unique key

c.Secondary key

**d.Primary key**

42) Validations for normal employee class

I. Name cant be empty

I. Id cant be empty

III. Id cant be less than 1

**iv. all the above**

43) Which of the following is NOT the type of mapping?

**a.Instance mapping**

b.Component mapping

c.Association mapping

d.Class mapping

44)Around advice------Run advice before and after the advised method is invoked.

Different types of run advice "before" and "after" the advised method is invoked. Which of the following is the correct option with respect to advice?

a.After returning

b.None

c.After throwing

**d.around**

Which one runs advice before and after the advised method is invoked.

after

before

**around**

none of the above

45)HQL- easily stores, update and retrieve from the database--------- **True**

46)Hibernate is lightweight,opensource and ORM (Multiple choice)

Which of the following is Hibernate?

a.Lightweight

b.Open Source

c.ORM

**d.All of the listed**

47) Hibernate session is the main runtime interface between java applications and hibernate.-------**True**

48) When we work with an object oriented system, there is mismatch between the object model and the relational database.-------**True**

49) Spring mvc is a model-view-controller.-------**True**

50) Form fields are validated using user defined validations class by implementing validation interface

State True or False.-------**True**

51) Spring does not seperate three modules like presentation layer, bussiness layer and data access layer

State True or False.-------**False**

52) Pick odd one out in the following annotations ( invalid annotations)

**I. @PathValid**

**II. @responsevalid**

III. @Controller

IV. @requestmapping

53) Length returns number of rows in a column for only string type.-------**True**

Length attribute of @column annotation permits the size of the column used to map a value particularly for a string value.--------**true**

54) Which level cache implements a cache for query result sets

**a. Third level cache**

b. Second level cache

c. First level cache

d. Fourth level cache

55) Form tags are available in springs is more compatible with html tags for better development.-------**True**

56) Which of the following are CORRECT in SQL queries in Hibernate.

I. SQL queries may contain named and positioned parameters, just like Hibernate queries

II. You may express a query in SQL, using createSQLQuery()

III. Hibernate take care of the mapping from result sets to objects

IV. You may call session.connection() and use the JDBC Connection at any time.

**a. I, II, and III**

b. I, II, and IV

c. I, III, and IV

d. I, II, III, and IV

57) What is the function of clean maven lifecycle command

ANS-cleans artifacts in the earlier build

58) Constructor injection is difficult to inject.-------**True**

59) Index and type can be used in the constrictor-arg at the same time? -------**True**

60) Which of the following is a one to one relationship

a) <many-to-many>

**b) <many-to-one>**

c) None of the list

d) <one-to-many>

61) Which of the following is a many to one relationship

a) many-to-one

**b) <many-to-one>**

c) None of the list

d) <Manyone>

62) The same XSD of BeanFactory can be used for View resolver interface? -------**True**

63) Testing an application written with Spring is complex because environment-dependent

code is moved into this framework.---------**false**

64) What is ContextStoppedEvent event?

A - This event is published when the Servlet Context is either initialized or refreshed.

**B - This event is published when the ApplicationContext is stopped using the stop() method on the ConfigurableApplicationContext interface.**

C - This event is published when the HTTP Request is received.

D - This event is published when the HTTP Response is returned.

65) XsltViewResolver-supports XsltView by resolving the view name of which of the following options

a) all of the listed options

b)VelocityView and its subclasses

**c)URL of xslt**

d)view name of the URL of the report file.

66) Spring MVC provides predefined templates for JDBC, Hibernate and JPA.---------**True**

67) ApplicationContext implements which of the following interface that is used to obtain localized messages, with the actual implementation being pluggable

I. MessageSource

II. RequestMapping

**a. only I**

b.only II

c. Neither I or II

d. Both I and II

68) Which of the following are the best practices for writing spring XML Configurations?

**a.Using consistent naming conventions**

b. Rarely use classpath

c.Mentioning version numbers in schema references

**d.reuse bean definitions as much as possible**

69) To validate the form fields you need to have a seperate UserValidator class that implements the validator interface, Override the validate() method perform all the validations.---------**True**

70) Which of the listed options are TRUE for Bean configuration inheritance?

I. In spring, Inheritance is supported in bean configuration to share common values, properties or configurations

II. A child bean or inherited bean can inherit its parent bean configurations, properties and some attributes

III. The parent bean allow to override the inherited values

**a.I, II, and III**

b.I and II

c.II and III

d.I and III

71) which of the following options about Auto wiring in spring are correct?

I. The Auto wiring in spring framework can be performed by configuring in xml and spring Auto-Wiring with Annotation @Autowired

II. Auto-wiring beans with xml configuration: In Spring framework, you can wire beans automatically with auto wiring feature

III. To enable auto-wiring just define the "autowire" attribute in <bean> tag.

**a.I, II, and III**

b.I and III

c.I and II

d.II and III

72) XML Mapping file offers which of the following?

a.Readable Metadata

b.Surrogate key generation strategy

c.Collecion metadata

**d.all the listed options**

e.Column/Table Mapping

73) Which of the following explains about addClass function in the listed options

I. This function translates a Java class name into file name

II. This translated file name is then loaded as an input stream from the java class loader

III. This addClass function is important if you want efficient usage of classes in your code

**a. I, II, and III**

b. I and III

c. I and II

d. II and III

Which of the following explains about addclass function in the listed options?

a.this function translate a java class name into file name

b.this translated file name is then loaded as an input stream from the java class loader

**c.this addclass function is important if you want efficient usage of classes in your code**

Use of addclass function

it is used to convert java class name into file name

with the file name, input stream, reader will be processed

using add class, other classes will be used efficiently.

74) The application is designed around an object model. The SQL code is generated at build time and the associations between objects are supported by the persistent mechanism, and queries are specified using an object oriented expression language. This best suited for medium-sized applications with some complex transactions. Used when the mappping exceeds 25 different databse products at a time.

Which of the following is this called as?

a. Application Object Mapping

b. Expression object mapping

**c. Medium Object Mapping**

d. Object Mapping

75) Which of the following is not the best practice?

I.Exit controller has to define in web.xml

II.bean definition

**III. open the server and deploy the project**

IV.@controller usage

76) What are the modules of spring web flow?

**a.Spring-faces**

b.Spring-bundling

**c.Spring-container**

**d.Spring-webflow**

77) Bean post processor is a concrete class----------**false**

78) The Spring MVC pattern does not separate the different aspects of the application into input logic, business logic, and UI logic.-------------------**false**

Spring MVC provides better way to seperate which of the following?

a.Presentation

b.Tools

c.Data Access

**d.Bussiness Logic** ----- (bussiness logic,UI login,I/P logic)

79) Constructors in a class can be?

a. may be defined as private

b. Contains same name as class

c. used to create objects

**d. all the above**

80) Given the Spring configuration file, which are the correct statements?

<bean class="com.spring.service.BankServiceImpl"

p:bankName="NationalBank">

</bean>

**1. The p namespace has to be declared**

2. Bean id is bankServiceImpl

3. The BankServiceImpl references a NationalBank bean

4. NationalBank is a scalar value

81) Which is correct?

a. Hibernate is a object oriented query language

b. It is database independent

c. it supports pagination

d. HQL statements will be converted to SQL or other language the database supports

**e. all the above**

82) Using the Spring AOP framework, what are the joinpoint methods of the following pointcut

expressions?

execution(public \* \*(..))

1. The execution of all public method

2. The execution of all public method returning a value

3. The execution of all public method having at least one parameter

**4. The execution of all public method in class belonging to the default java package**

83) What is the transaction behavior of the PROPAGATION\_REQUIRES\_NEW model? Select a unique answer.

1. If a transaction exists, the current method should run within this transaction. Otherwise, it

should start a new transaction and run within its own transaction.

2. If a transaction is in progress, the current method should run within the nested transaction

of the existing transaction. Otherwise, a new transaction has to be started and run within its

own transaction.

**3. The current method must start a new transaction and run within its own transaction. If there is an existing transaction in progress, it is suspended.**

4. None of the above

PROPAGATION\_REQUIRES\_NEW----Creates a new transaction, suspending the current transaction if one exists.

84) Types of autoproxing?

BeanNameAutoProxyCreator

DefaultAdvisorAutoProxyCreator

85) Which scope is a single bean definition to have any number of object instances ? -----**prototype**

86) Which annotation is used in setter? which type of annotation applies to bean property setter methods

select one

a)@Requires

b)@Resource

**c)@Required**

d)@Requiring

87) Model is used to encapsulate the response data ------------------**True**

88) What is a view resolver?

class

**interface**

object

argument

89) Cache enables the database to hit as much as possible for better performance in critical applications.----------**True**

90) View Resolver provides a mapping between view names and actual views.-----------**True**

91) Which one interpret user input and transform it into a model that is represented to the user by the view.

**controller**

dispatcher servlet

model

browser

Which of the following handles all the HTTP requests and response?

Ans: Dispatcher Servlet

92) Integration of J2EE with hibernate is difficult.-----------**False**

93) Application contexts can publish events to beans that are registered as listeners.--------**true**

94) Which is not used as java annotation

@component

@bean

@configuration

**none**

95) Hibernate supports query cache-----------**true**

96) What are the mapping associations used in hibernate?

**One-to-One Association**

Many-to-One Association

One-to-Many Association

**Many-to-Many Association**

97) What are the different fetching strategies in hibernate?

1. Join Fetching

2. Batch Fetching

3. Select Fetching

4. Sub-select Fetching

Ans: all

98) Hibernate helps in mapping of java objects with database tables ---------------**true**

99) Which of the following are mandatory rules to create validation for a normal employee table?

a.The "empNum" cant be empty

b."Name" cant be empty

c.The "empNum" cant be less than 1

**d.All of the option**

100) Which of the following allows as to add a new method or attributes to existing classes?

**a.Introduction**

b.Proxy

c.Weaving

d.Auto call

13. Modules of web flow:

**management of web applications with complex page flow.**

16. Which of the following is true regarding prototype:

1. **scope is a single bean definition to have any number of object instances**
2. it is the default scope in standard web applications
3. **the instances will be created for each bean dependency**

28.which mapping is given in hibernate in common?

object

relational

class

column ---

29.In which level, sql query is integrated in HQL?

class level ---

low level

high level

object level

34.In which way, the properties of one bean is used by number of beans?

inheritance

dependency injection

through child bean

1. In spring MVC each tag provides support to the set of attributes of its corresponding HTML tag counterpart making the tags familiar & intuitive to use----------------**True**

2. We can use index and type attribute together-----------**true**

3. Which of the following is true about JDBC?

a.JDBC APIs enables java programs to execute SQL statements and interact with any SQL Complaint database

b.JDBC stands for Java Database Connectivity

c.it provides set of java API for accessing the relational databases from java program

**d.All the listed option**

4.Which of the listed statement are correct for spring Bean scope:Prototype?

a.Spring container creates new instance of bean for each and every request for that bean-------------

b.Prototype scoped bean is served by creating new instance of bean for each and every bean dependency----------

c.After instatiating bean and submitting it to client spring container will maitain the record(not maintain)

d.Prototype scope is spring standard scope and can be used in standalone as well as web application of spring.------

5. Which is the query language that embodies a very powerful and flexible mechanism to query, store, update and retrive

objects from a database?

a.PLSQL

b.RDBMS

c.SQL

**d.HQL**

6. What is spring MVC framework?

**a.spring MVC framework is used for Transaction management for web application**

b.spring MVC framework is Model-value-class architecture and used to bind model data

**c.spring MVC framework is used for AOP for web application**

**d.spring web MVC framework provides model-view-controller architecture and ready components that can be used to develop flexible and loosely coupled web applications**

7.When you need to upload a large number of records into your database using Hibernate, you can use batch processing.------**true**

8. Implementation of viewResolver accets a configuration file written in XML with the same DTD as spring XML bean factories.---------true

9.For a fast Development, the dependency injection feature of spring Framework & support to various Frameworks makes the easy development of javaEE application.-------**true**

10. In hibernate implement cache for a query ,if the result sets can integrate closely,which level

of the cache can be implemented?

a.first level cache

**b.second level cache**

c.third level cache

d.Fourth level cache

11. In Spring MVC which of the following is the front controller class that initializes the context

based on the spring beans configuration?

**a.org.springframework.web.servlet.DispatcherServlet**

b.org.springframework.web.context.DispatcherServlet

c.org.springframework.web.servlet

d.org.springframework.web.context.ApplicationContext

12. Which of the following statements are correct?

a.Bean Factory and ApplicationContext are basic container only

b.Bean Factory is basic container and ApplicationContext is advanced container

c.Bean Factory and ApplicationContext are advanced container

d.Bean Factory is advanced container and ApplicationContext is basic container

13. In spring bean configuration bean atribute called 'scope' defines what kind of object

has to be created and returned. What returns a new bean instance each time when required?

**a. Prototype**

b.Session

c.Singleton

d.Global session

14. What is ContextClosedEvent event?

A - This event is published when the Servlet Context is either initialized or refreshed.

B - This event is published when the HTTP Request is received.

C - This event is published when the HTTP Response is returned.

**D - This event is published when the ApplicationContext is closed using the close method on the**

**ConfigurableApplicationContext interface.**

15. Spring MVC provides a JSP tag library(Spring form) for making it easier to bind form elements to model data.-------**True**

16. Which of the following statement is INCORRECT by extending ViewResolver and ChainingViewResolver?

a. programmers can have custom view resolvers

b. There are lot of view resolvers available in Spring framework

c. Spring MVC view resolvers help the Dispatcher Servlet in identifying the views which has to be rendered in response for a request.

**d.none**

17. What are the benefits of Spring Framework's transaction management?

a.It Provides a consistent programming model across different transaction APIs such as JTA, JDBC, Hibernate, JPA, and JDO.

b.It Supports declarative transaction management.

c.It Provides a simpler API for programmatic transaction management than a number of complex transaction APIs such as JTA.

**d.All the listed**

18. It is difficult to inject the dependency by constructor. ------------**true**

19. The Model-View-Controller(MVC) is an architectural pattern that does not separate an application into three main logical compponents: the model,the view and the controller.------**false**

20. How many layers are there in Hibernate architecture

a) 3

**b) 4**

c) 5

d) 2

21. Which tool helps to generate the mapping document Though many Hibernate users choose to write the XML by hand

select one

a)oldgen

b)younggen

**c)Middlegen**

d) Mediumgen

22. Java based configuration option disables you to write most of your Spring configuration without XML but with the help of few Java-based annotations ----------------**False**

23. What types of views supported by spring MVC for different presentation technologies

select one or more

a)JSP

b)HTML

c)velocity templates

**d) all**

24. Spring is a heavy weight framework---------------**False**

25. A very powerful and high performance qurerying language used to Query,retrive,store data in DB is

select one

a) PLSQL

**b) HQL**

c) SQL

d) RDBMS

**26. Which best describes the propagation attribute REQUIRED?**

Create a new transaction, suspend the current transaction if one exists.

Execute non-transactionally, suspend the current transaction if one exists.

Supports a current transaction, throw an exception if none exists

**Support a current transaction, create a new one if none exists.**

**27. Which best describes the propagation attribute NON\_SUPPORTED?**

1. Create a new transaction, suspend the current transaction if one exists.
2. **Execute non-transactionally, suspend the current transaction if one exists.**
3. Supports a current transaction, throw an exception if none exists.
4. Support a current transaction, create a new one if none exists.

28. Which best describes the propagation attribute MANDATORY?

Create a new transaction, suspend the current transaction if one exists.

Execute non-transactionally, suspend the current transaction if one exists.

**Supports a current transaction, throw an exception if none exists.**

Support a current transaction, create a new one if none exists.

29. Which best describes the propagation attribute REQUIRES\_NEW?

**Create a new transaction, suspend the current transaction if one exists.**

Execute non-transactionally, suspend the current transaction if one exists.

Supports a current transaction, throw an exception if none exists.

Support a current transaction, create a new one if none exists.

30. Can you instiantiate a static inner class in Spring?

No, static classes are not supported

**Yes, they are instiantiated by default with the class.**

31. An application server is required for spring's transaction mechanism to run.

TRUE

**FALSE**

32. What are the types of injection supported by Spring?

Constructor Injection only.

**Constructor Injection and Setter Injection**

Constructor Injection, Setter Injection and Interface Injection

Constructor Injection, Setter Injection before 2.0 and Interface Injection with 2.0 and above version

33. @Inject annotation supports "required" attribute.

TRUE

**FALSE**

34. Which event is published when context is initialized?

ContextStartedEvent

. **ContextRefreshedEvent**

ContextInitializedEvent

ContextReadyEvent

35. Which event is published when context is refreshed?

ContextStartedEvent

ContextInitializedEvent

ContextReadyEvent

. **ContextRefreshedEvent**

36. Spring Web MVC (and in Spring in general) is the "Open for extension, closed for modification" principle.

The reason that this principle is being mentioned here is because a number of methods in the core classes in Spring Web MVC are marked final.

**true**

false

37. Which of the among is not a special bean in WebApplicationContext?

Locale resolver

Theme resolver

multipart file

resolver

Handler exception resolver

Handler mappings

**None of the above**

38. How the Spring DispatcherServlet supports for returning the last-modification-date, as specified by the Servlet API ?

**By implementing the LastModified interface**

By implementing the LastSessionModified interface

By implementing the LastDateModified interface

By implementing the LastModifiedDate interface

39. WebApplicationContext has more scopes like request, session, globalSession to the standard Application context (which only provides Singleton and Prototype scopes)-----------**true**

40. All of Spring's various Controller inherit from AbstractControllor?--------**true**

41. You can write your own controller by using handleRequestInternal(HttpServletRequest, HttpServletResponse) method from abstract controller and a ModelAndView object.-----**true**

42. Which of the following controller inspects the URL and retrieves the filename of the file request and uses that as a viewname ?For example, the filename of http://www.springframework.org/welcome.html request is welcome.

**UrlFilenameViewController**

MultiActionMultiActionController

CommandController

AbstractController

43. The available prefixes for ClassPathXmlApplicationContext look up are:-

**classpath:**

**file**:

**http**:

https:

44. Spring event mechanism is based on the standard:-

**Observer Design Pattern**

Factory Design Pattern

Mediator Design Pattern

45. What kind of servers can support Spring Transaction?

Only Application servers

Only Application servers which support J2EE specification

**Spring's transactional services are supported on web servers also**

46. In Spring Framework's declarative transaction implementation, is it sufficient to annotate to classes with the @Transactional annotation? -------------**NO**

47. What is dependency injection?

A design pattern where dependent objects are defined in an xml for easy maintainability.

**This is a design pattern whereby dependent objects are passed into an object from the outside at the time application is initialized.**

A unique feature of spring which allows object to be injected at the time of compilation.

48. Given following controller :-

@RequestMapping("/basket")

@Controller

public class Shopping {

@RequestMapping("/{id}")

public String doCheckOut(@PathVariable Date time) {

return "home";

}

}

Is declaration of Shopping#doCheckOut method correct?------------**TRUE**

49. If you were using Join Points, Pointcuts & Advice what would you be using?

Bean Contatiner

JPA

EJB

**AOP**

50. Spring 3.0 does not support for multipart form. -------**False**

51. Which of the following view technologies are supported by Spring?

JSTL/JSP

Ms Excel

Adobe PDF

**All of the above.**

52. Spring 3.0 provides the PropertyEditor for performing thread-safe type conversion. This allows any Type to be converted to any other Type. -------------**FALSE**

53. For a given web.xml configuration:

<web-app version="2.5">

<servlet>

<servlet-name>dispatcher</servlet-name>

<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

<load-on-startup>1</load-on-startup>

</servlet>

<servlet-mapping>

<servlet-name>dispatcher</servlet-name>

<url-pattern>/\*</url-pattern>

</servlet-mapping>

</web-app>

Which path should has file that contains XML configuration metadata for ApplicationContext of given DispatcherServlet?

/WEB-INF/application-context.xml

/dispatcher-servlet.xml

**/WEB-INF/dispatcher-servlet.xml**

54. Suppose I have an aspect:

@Before("execution(\* method\*()")

and the following class:

public class MyClass() {

public void method1() {

method2();

}

public void method2() {

}

}

If I call, myClass.method1(), from another class, which methods does the advice run against?

**method1**

method2

neither

both

55. The following methods :-

queryForInt(args)

queryForList(args)

getJdbcOperations()

getNamedParameterJdbsOperations()

are all present in which of the following class?

**SimpleJdbcTemplate**

JdbcTemplate

NamedParameterJdbcTemplate

None of the above

56. The dynamic languages currently supported by Spring are:-

Groovy

JRuby

BeanShell

**All the above**

57. JMS stands for-

**Java Message Service**

Java Mechanism Service

Java Message System

Java MultiThreaded System

58. Which of the following tag is used to enable Aspect using XML configuration?

**<aop:aspectj-autoproxy/>**

<aop:aspectj-component/>

<aop:aspectj/>

<aop:aspectj-autoproxy-component-scan/>

59. Programatic transaction management is done using:-

**TransactionTemplate**

**PlatformTransactionManager**

@TransactionManager

IntegratedTranaction

60. Which of the following are valid return types, or values, from a controller implementation?

null

A String view name

void

**All of the above**

61. Which of the following are JSR - 250 annotation/s?

**@PreConstruct**

**@PreDestroy**

**@Resource**

@PostConstruct

@Autowired

@Controller

62. In Spring's form tag library which of the following tags are valid?

input and inputs

checkbox and checkboxes

radiobutton and radiobuttons

redirect

Solution

checkbox and checkboxes are valid spring tags.

radiobutton and radiobuttons are valid spring tags.

input is valid spring tag but inputs is not a valid spring tag.

63. If you want to provide the MessageSource functionality to application, providing access to messages in i18n-style in your application. Which one should be used?

ApplicationContext

**Property File**

Servlet Context

64. Can dependency injection be lazy initialized?

YES

NO

Solution

Using lazy-init="true" in spring configuration file on the bean, it can be instantiated only when needed.

65. Which of the following is the correct way to use @Transactional annotation in spring?

Ans.

@Service

class OrganizationService{

@Transactional(readOnly = false)

public void saveData(Employee emp){

}

}

Ans.

@Service

class OrganizationService{

@Transactional(readOnly = true)

public void getData(Employee emp){

}

}

Ans.

@Service

class OrganizationService{

@Transactional

public void saveData(Employee emp){

}

}

@Service

class OrganizationService{

@Transactional = readOnly(false)

public void saveData(Employee emp){

}

}

@Service

class OrganizationService{

@Transactional = readOnly(true)

public void saveData(Employee emp){

}

}

1. What is the type of file used for spring configuration?

Ans:

* XML based configuration file.
* Annotation-based configuration
* Java-based configuration

1. What are the types of autowire?

ANS: no, byName, byType, constructor, autodetect

1. What is the security annotation used in spring? (@autowire, @transicible ,……)

Ans : @PreAuthorize and @PostAuthorize

1. What are the types of editors used in spring framework?

Ans:

* PropertyEditor
* URLEditor
* ClassEditor
* CustomDateEditor
* FileEditor
* LocaleEditor
* StringArrayPropertyEditor
* StringTrimmerEditor

1. What is the use of ‘after return advice’?

Ans : Advice that is executed after the normal completion of a joinpoint is called the “after returning advice”.

1. What are the things mapped in an XML? (Data type, value ,….)

Qns-1: Describe Global and Local transactions in Spring.

Ans: Global transactions help to work with multiple transactional resources like relational database and message queue.

Global transactions are managed through JTA and JNDI. Local transactions are resource-specific like JDBC connection.

Local Transactions can work with multiple transactional resources.

Qns-2: What is the role of TransactionDefinition interface?

Ans: a. Isolation

b. Propagation

c. Timeout

d. Read-only status

Qns-3: How can we roll back a declarative transaction?

Ans: We can use rollback-for and no-rollback-for attributes with transactional definition.

Qns-4: How many types of isolation are there?

Ans: a. ISOLATION\_DEFAULT: default isolation.

b. ISOLATION\_READ\_COMMITTED: dirty reads are prevented, non-repeatable and phantom reads are allowed.

c. ISOLATION\_READ\_UNCOMMITTED : dirty reads are allowed, no-repeatable and phantom reads are allowed.

d. ISOLATION\_REPEATABLE\_READ: dirty reads and non-repeatable reads are prevented but phantom reads are allowed.

e. ISOLATION\_SERIALIZABLE : dirty , non- repeatable reads and phantom reads are prevented.

Qns-5: How many types of Propagation are there?

Ans: Find the Propagation type. a. PROPAGATION\_MANDATORY : supports current transaction and throws exception if no transaction available.

b. PROPAGATION\_NESTED : runs with nested transaction

c. PROPAGATION\_NEVER : does not run with current transaction and throws exception if current transaction exits.

d. PROPAGATION\_NOT\_SUPPORTED : runs non -transactionaly and does not support current transaction.

e. PROPAGATION\_REQUIRED : runs with current transaction and create one if does not exist.

f. PROPAGATION\_REQUIRES\_NEW : creates new transaction and suspends if exits any.

g. PROPAGATION\_SUPPORTS: runs current transaction and runs non -transactionaly