Java\_Spring\_Topics\_A3 To A5\_Cloud1

Section:

1

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Q1

Which dependency need to be

mentioned to enable Spring MVC

module in an application

Single Choice - Select one correct answer from the options list.

spring-boot-starter-data-jpa

**spring-boot-starter-web**

spring-boot-starter-test

spring-boot-starter-tomcat

Q2

What are the different points where weaving can be applied?

Single Choice - Select one correct answer from the options list.

RunTime.

CompileTime.

ClassLoadTime.

**All the Above.**

Q3

Statement A:

Programmatic transaction management is usually a good idea only if you have a small number of transactional operations.

Statement B:

If your application has numerous transactional operations, declarative transaction management is usually worthwhile. It keeps transaction management out of business logic, and is not difficult to configure.

Single Choice - Select one correct answer from the options list.

Both A and B are True.

Both A and B are False .

A is True and B is False.

A is False and B is True

Q4

This is an interface used by JdbcTemplate for processing rows of a ResultSet on a per-row basis.

Implementations of this interface perform the actual work of processing each row but don't need to worry about exception handling.

In contrast to a ResultSetExtractor, this interface is typically stateful.

Single Choice - Select one correct answer from the options list.

RowCallBackHandler.

RowBackHandler.

ProcessRowHandler.

CallBackHandler.

Q5

How do you read request parameter values into spring controller methods?

Single Choice - Select one correct answer from the options list.

You cannot bind them at all

You cannot bind them and have to manually do request.getParameter()

You can do either request.getParameter inside method or @RequestParam in method args

None of the above

Q6

In Spring Framework's declarative transaction implementation , is it sufficient to annotate the classes with the @Transactional annotation ?

Single Choice - Select one correct answer from the options list.

No

Yes

No . <tx:annotation-driven/> has to be added in configuration

Q7

Which of the following method is used to return a single integer returned by the sql statement?

Single Choice - Select one correct answer from the options list.

QueryForInt()

IntUpdate()

ExecuteInt()

ForInt()

Q8

Select the scopes of a bean available with Bean Factory: (Choose 2)

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

**Singleton.**

**Prototype**

**Request**.

**Session**.

Q9

What is the result if spring’s BeanFactory instance is programmatically accessed?

Single Choice - Select one correct answer from the options list.

The bean factory must be explicitly shutdown before the program exits

The programmer gains control over the instantiation of the BeanFactory through the getInstance() method.

It prevents bean instances from being injected by the factory.

Beans may be explicitly obtained without interfering with the injection of instances into other beans.

Q10

\_\_\_\_\_\_\_\_\_\_\_\_\_ enables you to access JavaBeans (classes) that are instantiated, wired and managed by the Spring container.

Single Choice - Select one correct answer from the options list.

SessionFactory.

SessionFacade

BeanFactroy /// actually answer is bean factory but there is spelling mistake is there in factory so we go through none of the above

**none of the above.**

Q11

Spring supports field, constructor and method joinpoints.True or false

Single Choice - Select one correct answer from the options list.

TRUE

FALSE

Q12

How would you define an Aspect?

Single Choice - Select one correct answer from the options list.

**An aspect is a class that holds a Pointcut at a particular join point defining the type of advice to execute when that pointcut expression matches**

Aspect is simple a class nothing more

A point in the execution of a program such as method name

Expression that is used to identify join-points

Q13

Which of the following event is a web specific event that tell all the beans that a Http request has been serviced?

Single Choice - Select one correct answer from the options list.

Application Event.

Publish Event.

**RequestHandledEvent.**

ContextClosedEvent.

Q14

What are the ways of resolving constructor arguments for the following class in Xml?

class MyClass {

public MyClass(int firstval, int secondVal) {

}

}

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

Specify arguments in the required order in the bean defination

Specify the index attribute for each constructor argument

Specify the type attribute for each constructor argument

user the @ConstructorProperties argument and name attribute for each constructor arg

Q15

Which of the following annotations can be used on fields, parameters or custom annotations?

Single Choice - Select one correct answer from the options list.

**@autowired**

@resource.

@Qualifier.

@component.

Q16

What is the difference between after returning and after throwing advice?

Single Choice - Select one correct answer from the options list.

**After-returning is executed if method exits normally without throwing error. After throwing executes when a method throws an exception**.

After-throwing is executed if method exits normally without throwing error. After returning executes when a method throws an exception

After returning is called after After-throwing

After-throwing is called after After-returning

Q17

Statement A:

The key to the Spring transaction abstraction is the notion of a transaction strategy.

Statement B:

A transaction strategy is defined by the

org.springframework.transaction.PlatformTransactionManager interface.

Single Choice - Select one correct answer from the options list.

Statement A is true

Statement B is true

Both the statements are false

Both the statements are true

Q18

Choose correct option

Single Choice - Select one correct answer from the options list.

**The Spring Framework is an open source application**

The Spring is in the Java platform

The Spring is in for .NET Framework

None of them

Q19

How to configure JNDI instead of datasource in spring applicationcontext.xml?

Single Choice - Select one correct answer from the options list.

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="className">

<values>java:comp/env/jdbc/appfuse</values>

</property>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean name="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="viewClass">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<properties name="jndiDataSource">

<value>java:comp/env/jdbc/appfuse</value>

</properties>

</bean>

You can configure JNDI instead of datasource in spring applicationcontext.xml using "org.springframework.jndi.JndiObjectFactoryBean". For Example:

<bean id="dataSource" class="org.springframework.jndi.JndiObjectFactoryBean">

<property name="jndiName">

<value>java:comp/env/jdbc/appfuse</value>

</property>

</bean>

Q20

What is the purpose of HandlerMappings in spring?

Single Choice - Select one correct answer from the options list.

**Maps the incoming request to the relevant controller**

Manages the traffic for we requests

Maps the type of view that an application would display

Configures Spring for MVC support

Q21

Which is the correct way to configure server port in spring boot application

Single Choice - Select one correct answer from the options list.

add property 'server.port' in application.properties in /src/main/resources

set boot.server.port as a system property using JVM command line option

adding an entry in conf/context.xml of embedded container

add property server: port: 8080 in application.properties in /src/main/resources

Q22

\_\_\_\_\_\_\_\_\_ Scope is used for stateful beans?

Single Choice - Select one correct answer from the options list.

**Prototype**

Session

Request

Singleton

Q23

By default, spring will use the servlet.xml file name corresponding to the servlet name declared for DispatcherServlet?

Single Choice - Select one correct answer from the options list.

TRUE

FALSE

Q24

Which build tools are supported by

Spring Boot framework out of box

Multiple Choice - This may have multiple correct answers. Select required answer(s) from the options list.

**Maven**

**Gradle**

**Ant**

Make

Q25

Select the valid statements for configuring the data source transaction manager in the

application context XML File?

Single Choice - Select one correct answer from the options list.

<bean id="transactionManager" class="org.springframework.jdbc.datasource. JpaTransaction Manager">

<property name="dataSource" ref="dataSource"/>

</bean>

<bean id="transactionManager" class="org.springframework.jdbc.datasource. Jdbc Transaction Manager">

<property name="dataSource" ref="dataSource"/>

</bean>

**<bean id="transactionManager" class="org.springframework.jdbc.datasource.DataSourceTransactionManager">**

**<property name="dataSource" ref="dataSource"/>**

**</bean>**

<bean id="transactionManager" class="org.springframework.jdbc.datasource. HibernateTransaction Manager ">

<property name="dataSource" ref="dataSource"/>

</bean>

Q26

\_\_\_\_\_\_\_\_\_\_ provides transaction support for JDBC.

Single Choice - Select one correct answer from the options list.

DataSourceTransactionManager

JpaTransactionManager.

HibernateTransactionManager.

JdbcTransactionManager.

Q27

Which of the following package is responsible for core functionality using JMS in Spring?

Single Choice - Select one correct answer from the options list.

**org.springframework.jms.mail.**

org.springframework.jms.mail.core

org.springframework.jms.connection

org.springframework.jms.core

Q28

Consider the following scenario:

For a method updateUser , we dont want the rollback for UserNotFoundException.

what are the changes to be done in the configuration file?

<tx:advice id="txAdvice">

<tx:attributes>

<tx:method name="updateUser"/>

<tx:method name="\*"/>

</tx:attributes>

</tx:advice>

Single Choice - Select one correct answer from the options list.

replace <tx:method name="updateUser"/> with

<tx:method name="updateUser" no-rollback-for="UserNotFoundException"/>

replace <tx:method name="updateUser"/> with

<tx:method name="updateUser,-UserNotFoundException/>

replace <tx:method name="updateUser"/> with

<tx:method name="updateUser,+UserNotFoundException/>

replace <tx:method ="updateUser"/> with

<tx:method name="updateUser" no-rollback-for="UserNotFoundException"/>

Q29

ApplicationContext loads all singleton beans on startup. True or False

Single Choice - Select one correct answer from the options list.

TRUE

FALSE

Q30

\_\_\_\_\_\_\_\_ package provides the features of IOC and dependency injection services.

Single Choice - Select one correct answer from the options list.

ORM

AOP

**Core**

DAO