How to enable @AspectJ support?

A) Using @EnableAspectJAutoProxy annotation
B) Using @AspectJ annotation
C) Using @Configuration annotation
D) Combination of A & C

Settings.xml is used to configure

A) Life-cycle bindings
B) Configure src and target directories
C) Proxy setting
D) Configure plugin

When is a transaction committed in spring framework?

A. Whenever the proxy generated for the bean return a boolean flag with value true
B. when the target method bound to a transaction return successfully
C. Spring Framework will always commit the transaction irrespective of whether the bean method
   ….
D. none of the above points meet the requirement of committing a transaction in spring

What does the following property in application.properties do?

"spring.jpa.show-sql"

A) Setting this property to true enables logging of SQL statements
B) Setting this property to false enables logging of SQL statements
C) This property disables creation of table
D) This property is invalid

When Maven starts looking for dependency libraries, it first searches dependency in local repository.

TRUE

Coordinates define a unique location for a project.

TRUE

Which is true about prototype scope?

A) Only one instance exists per bean definition

B) Everytime new instance of bean is created per use of bean id
C) One bean instance is created per one bean class
D) Both A and C

What is AOP?

A) Separating different business logics from each other
B) Separating secondary concerns from business logic
C) It is replacement to OOP
D) Scripting Language

Where do we place the view pages if the configuration is as under.

```
<bean
  class="org.springframework.web.servlet.view.InternalResourceViewResolver">
  <property name="prefix" value="/WEB-INF/myPages/" />
  <property name="suffix" value=".jsp" />
</bean>
```

A) Create the jsp pages under /WEB-INF/MyPages folder
B) Create the jsp pages under /WEB-INF/views folder
C) Create the jsp pages under src folder
D) none

State true or false: Spring data repositories are classes that usually extends from the repository or CrudRepository interfaces.

A) True

Spring supports _____

A) Unit testing
B) Integration testing
C) System testing
D) A & B
E) A, B &C

_____ allow for the ability to customize a particular build for a particular environment and hence enable portability between different build environments.

A) Dependencies
B) Plugins
C) Schemas
D) Profiles

Maven's small download size is because the core of Maven has been designed to retrieve plugins and dependencies from a remote repository on demand. True or False?

TRUE

Select the true statement

  A) ApplicationContext implements BeanFactory
  B) BeanFactory implements ApplicationContext
  C) ApplicationContext extends BeanFactory
  D) BeanFactory extends ApplicationContext
  E) none

When should you choose ApplicationContext over BeanFactory?

  A) When you want to use dependency injection
  B) When you want to localize messages with pluggable implementation
  C) When you need support for application and framework events
  D) B & C
  E) All of the above

What is the reason to use Aspect oriented programming?

  A) It breaks the program logic into different parts
  B) It is used to add the additional concern dynamically
  C) It promotes boilerplate code
  D) A & B
  E) A & C

What is true about the spring initializr?

  A) It provides a handy mechanism to generate a spring project using spring boot
  B) Spring initializr is open source software
  C) Spring initialzr does not provide basic language generation for kotlin and groovy
  D) A & B
  E) A & C

Using spring security with spring boot, by way of which property in application.properties, can one override the default user configuration?

Spring.security.user.name

Which annotation is used to inject one bean into another bean automatically?

Autowired

True or false? Spring Boot auto-configuration attempts to automatically configure your Spring application based on the jar dependencies that you have added

A) False
B) True

Aspect is the form of _____

A) Pointcut
B) Advices
C) Join point
D) A & C
E) A & B

Maven is a project management tool in addition to being a build tool. True or false?

TRUE

State True or false. Coordinates define a unique location for a project.

True

Are all POJOs in the spring application necessarily spring beans?

A) NO
B) YES

If we need to automatically restart our spring boot application every time we save some code, what should be done?

B. This needs including spring-boot-devtools dependency in pom.xml

If the method is defined in a type in the com.spring.aop.web package or any sub-package under it. What will be the expression?

A. @Pointcut("within(com.spring.aop.web.')")public void inWebLayer(){}

B. @Pointcut("execution(com.spring.aop.web.')")public void inWebLayer(){}

C. @Pointcut("execution(com.spring.aop.web.test.')")public void inWebLayer(){}

D. @Pointcut("expression(com.spring.aop.web.web.')")public void inWebLayer(){}

What is the role of an IOC container in spring?

A) IOC container is responsible to create the instance
B) IOC container responsible to configure the instance
C) IOC container is responsible to assemble the dependency
D) none of these
E) all of these

Which one of the following URL pattern is recommended when submitting the request using HTTP GET method for fetching details of a particular flight?

D. http://www.traning.com/service/AI-123

True or false? spring boot provides autoconfiguration for Redis mongo DB etc.

TRUE

To turn on resource filtering, you need to use the _____ child element of the build element in a POM.

A. execution
B. property
C. resources
D. bean

What should be placed in the following lines of code in order that an employee be created using Json format? Consider the following method is contained inside a controller.

```
@RequestMapping(value="/employee/{id}", method=RequestMethod.POST)
@ResponseBody public Employee addEmployee(_____ int id, _____ Employee e){
  service.createEmployee(e);
  return e;
}
```

A) @PathVariable and @ResponseBody respectively
B) @PathVariable and @RequestBody respectively
C) @RequestParams and @RequestBody respectively
D) Code will work without any changes

What is inversion of control?

   A) the idea of this principle is to invert the direction of resource retrieval
   B) with IOC, the container itself actively delivers resources to its managed components
   C) Dependency injection is a concrete design pattern that embodies IOC principle

   A. A, B
   B. A, C   D) A,B,C
   C. B, C
   D. A, B, C

White profiles are used Maven?

   A. To give platform portability (Windows / linux etc)
   B. To give environment portability (development / test / production)
   C. To give user specific access permission to repositories
   D. B & C

What design pattern does DispatcherServlet follow in spring MVC

   A. FrontController
   B. prototype
   C. Singleton
   D. None

Which component helps controller send the data to view?

   A. ViewResolver
   B. Controller
   C. ModelAndView
   D. handler mapping

Which of the following modules present in the spring framework's data access/integration layer?

   A. JMS
   B. JDMC
   C. ORM
   D. OXM
   E. All of the given

Which of these is not true of spring boot?

   A. No code generation

B. no requirement of XML configuration
C. no starter dependencies
D. no need of WAR files

DispatcherServerlet is used to manage flow of spring MVC

TRUE

Is there a difference between inheriting from a parent project and being managed by a multimode project?

A. Yes
B. no

Which element is used to achieve setter injection?

A. Constructor-arg
B. Property
C. Setter
D. value

Which command has been designed to check a maven version?

mvn-v

Which of the following phase in maven lifecycle is done in an integration or release environment copies the final package to the remote repository for sharing with other developers and project?

deploy

The default value of the parameter interactive mode is_____

A. "true"
B. "false"

Which of the following is stereotype Annotation?

A. Autowired
B. Configuration
C. Bean
D. Component

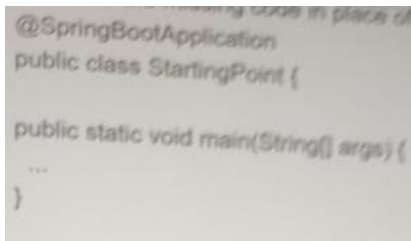Consider the following URL: http://www.traning .com/order/1234567890

Identify the appropriate annotation to address the numeric order ID

A. @Path
B. @PathVariable
C. @Query Variable
D. @Param

True or false? the property management.endpoints.web.exposure.include controls which actuator endpoints and application are to be exposed over JMX.

TRUE

Complete the missing code in place of

B. SpringApplication.run(StartingPoint.class, args); }

Spring supports declarative transaction

TRUE
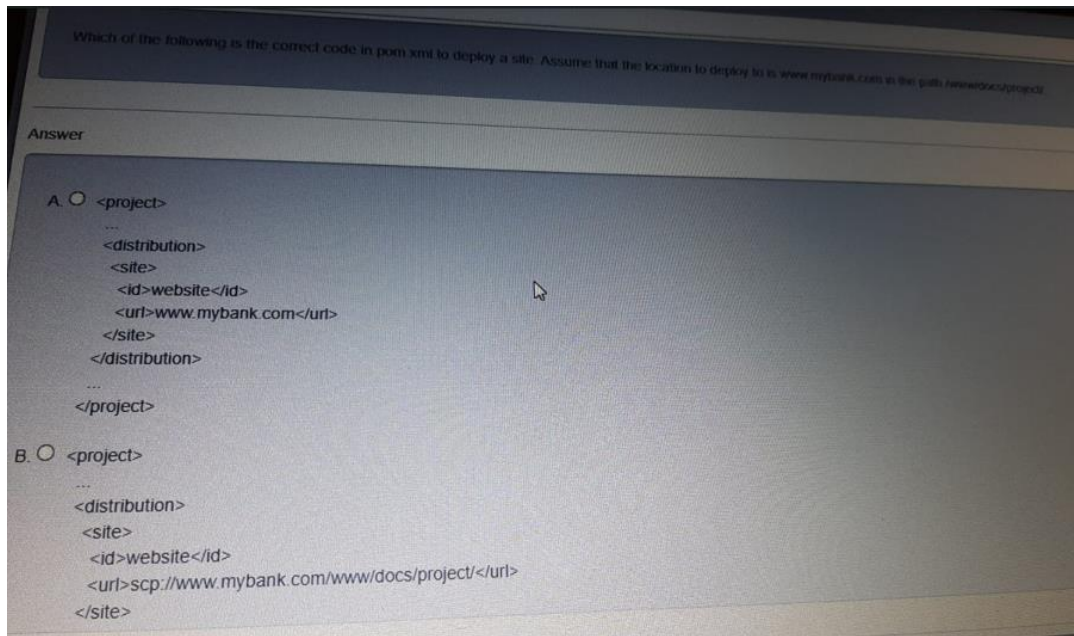
The _____ provides sophisticated CRUD functionality for the entity class that is being managed and which extends repository interface.

CrudeRepository

Select the correct command for creating maven site

C. mvn site

Answer

A. ○ `<project>`

```
...
    <distribution>
      <site>
        <id>website</id>
        <url>www.mybank.com</url>
      </site>
    </distribution>
...
</project>
```

B. ○ `<project>`

```
...
    <distribution>
      <site>
        <id>website</id>
        <url>scp://www.mybank.com/www/docs/project/</url>
      </site>
```

The _____ module provides integration layers for popular object relational mapping APIs including JPA and hibernate

- A. spring-orm
- B. spring-jdbc
- C. spring-transactions
- D. spring-web

Identify which bean attribute is being described here -> "a callback to be called just after all necessary properties on the bean have been set by the container."

- A. destroy-method
- B. Parent
- C. Abstract
- D. init-method

What are the benefits of the Spring Framework transaction management?

- A. Provides a consistent programming model across different transaction APIs such as JTA, JDBC, Hibernate, iBATIS Database Layer and JDO.
- B. Supports declarative transaction management
- C. Provides a simpler, easier to use, API for programmatic transaction management than most of these transaction APIs
- D. Integrates with the Spring data access abstraction
- E. All of the above

If we need ApplicationEvent publication feature in our application along with bean instantiation which is likely choice of spring container?

A. BeanFactory
B. ApplicationContext
C. none

If we have included spring-boot-starter-web dependency in POM.xml then for enabling logging which other dependency is needed?

A. Spring-boot-starter-logging
B. Spring-boot-logging
C. in this case it is not required to include any explicit dependency for logging it will be automatically included

It is possible to use any of the Junit 4 or Junit 5 version with spring 5

A. TRUE
B. FALSE

Which is true about spring beans?

A. spring beans are simple pojo
B. lifecycle of spring beans is managed by spring IOC containers
C. spring beans are wired together by spring IOC container
D. all of the above

What does the following property under application.properties do? "logging.file"

A. this is an invalid property
B. enables writing to the specified log file
C. none

Which propagation level describes " support a current transaction; create a new one if none exists"

A. PROPAGATION_MANDATORY
B. PROPAGATION_NESTED
C. PROPAGATION_REQUIRES_NEW
D. PROPAGATION_NOT_SUPPORTED
E. PROPAGATION_REQUIRED

Which of the following action can be done using authentication?

A. verify credentials
B. grant or deny permissions
C. refuse connection
D. exit the system

An application context interface has _____, providing access to messages in i18n-style

A. MessageSource
B. ContextSource
C. ApplicationListener
D. URL's
E. Files

To use spring data JPA repositories in spring project we need to add following configuration annotation

A. @EnableJpaRepositories
B. @UseJpaRepositories
C. @ConfigJpaRepositories
D. @EntityManager

State true or false - the clean plugin's clean goal is bound to the clean phase in the clean lifecycle

TRUE

Why declarative transaction management is more efficient than programmatic transaction management?

A. it keeps transaction management out of business logic
B. easy to configure
C. it can handle numerous transactional operations in big application
D. all of the above

Identify the invalid statement

A. using spring data JPA configuration any classes annotated with @JPAEntity considered to be in entity
B. The property spring.datasource.url in application.properties defines the URL of the database
C. To create and drop tables one can add the following line to the application. Properties: spring.jpa.hibernate.ddl-auto=create-drop

D. Spring-boot-starter-data-jpa POM provides a quick way to get started with JPA using spring boot

Following is a list of phases maven code is executing:

1. Validate
2. Compile
3. Test
4. Package
5. Integration-test
6. verify
7. install
8. deploy

Which of the following will traverse into all of the subprojects and run clean then install (including all of the prior steps)?

A. mvn clean
B. mvn integration-test
C. mvn deploy
D. mvn clean install
E. mvn test

When developing spring MVC application using spring boot methods in the controller are mapped to HTTP by using _____ annotation

A. @RequestMapping
B. @PathVariable
C. @MapRequest
D. @RequestParam
E. None

Maven can be installed on Linux BSD or Mac OSX. true or false?

TRUE

Running MVN site: run will build the site and start an embedded instance of _____

A. Tomcat
B. jboss
C. websphere
D. Jetty

For the following situation, identify why the property dependency injection is failing for property 'name'

public class Customer {

private int id;
private String name;
public int getId() {
  return id;
}
}

Answer

A. ◯ No, it will work, it will not fail

B. ◯ Because setid() is specified in class

C. ◯ Because setName() is not specified in class

D. ◯ none

Which of the following is true about maven central repository?

A. this repository is managed by maven community
B. it is not required to be configured
C. it requires Internet access to be searched
D. only A and C

Developer tools are not automatically disabled when running a fully packaged application. True or false?

TRUE

Which one of these options is not an implementation of the spring IOC container?

A. ClassPathXmlApplicationContext
B. FileSystemXmlApplicationContext
C. XmlWebApplicationContext
D. InitialContext

How to install custom library jar (not present in remote or central repository) into maven local repository?

A. ○ mvn install:install-file -Dfile=${file}.jar -DgroupId=${groupId} -DartifactId=${artifactId} -Dversion={version} -Dpackaging=pom

B. ● mvn install:install-file -Dfile=${file}.jar -DgroupId=${groupId} -DartifactId=${artifactId} -Dversion={version} -Dpackaging=jar

C. ○ mvn package:install-file -Dfile=${file}.jar -DgroupId=${groupId} -DartifactId=${artifactId} -Dversion={version} -Dpackaging=jar

D. ○ mvn deploy:install-file -Dfile=${file}.jar -DgroupId=${groupId} -DartifactId=${artifactId} -Dversion={version} -Dpackaging=jar

B

After the "Instantiate" state, what state is applied on a bean by the spring container?

A. Pre-Initialization
B. Post-Initialization
C. Populate Properties
D. BeanNameAware's setBeanName()

Which XML element is used to define being in spring configuration file?

A. Beans
B. Bean
C. Class
D. Pojo

Which of the following annotation can be used to declare a test method?

@Test

The following is not a valid attribute of transactional annotation in Spring Framework.

A. propagation
B. isolation
C. rollbackFor
D. noRollbackFor
E. writeOnly

To configure user specific setting

A. <user> tag need to be configured in the settings.XML file

B. Override the global property for user using <override> tag
C. copy the settings.XML file to the user directly and apply custom user setting
D. none

Which interface is used to do some post processing actions when all the properties have been set by the bean factory?

A. initializingBean
B. initializedBean
C. initializeBean
D. beanPreProcessor
E. beanFactoryPostProcessor

The @RequestMapping annotation could be given on below artifacts

A. class as well as method at a time
B. either class or method at a time
C. only class
D. only method

In a restful web service we use the HTTP methods as verb to invoke the crud action (create read update and delete) which of the following

A. To read use HTTP put method
B. to read use HTTP GET method
C. to read use HTTP post method
D. to read use HTTP delete method

Identify valid ways of creating a spring boot application

A. Using spring starter project STS IDE
B. using maven project
C. using spring initializr
D. A, B, C
E. A and B

What would be the pointcut name in the following statements

```
@Pointcut("execution(* Operation.*(..))")
public void doSomething(){}
```

A. doSomething
B. execution
C. Operation
D. Pointcut

Identify the URL patterns when the code for EmployeeController is as under


```
@Controller
@RequestMapping(value="/emp")
public class EmployeeController (

    @Autowired
    private EmployeeService service;
```

A. /home
B. /emp/home
C. /emp/
D. A & B
E. B & C

What is the sequence in which maven looks for the resources?

Local -> remote -> maven central

Local > Central >Remote

For the following situation identify why the property dependency injection….


```
public class Customer (

private int id;
private String name;
public int getId() {
return id;
}
```

A. No, it will work, it will not fail
B. because setId() is specified in class
C. because setName() is not specified in class
D. none

Identify the safe operation from the options.

A. POST
B. PUT
C. DELETE

D. GET

_____ is the act of validating that users are whom they claim to be

A. Authentication

1. What is AOP?
- Separating different business logic from each other
- Separating secondary concerns from business logic
- It is replacement to OOP
- Scripting language

2. What is POM stands for?
- Project Objective Model
- Project Object Mode
- Project Objective Mode
- Project Object Model

3. What are the benefits of the Spring Framework transaction management?
- Provides a consistent programming model across….
- Supports declarative transaction management
- Provides a simpler API for programmatic transaction manag..
- Integrates very well with Spring's various data ……
- All of the above

4. Can one work with Spring Boot using Groovy?
- Yes
- No

5. State true of false. Spring data repositories are classes that actually extend from the repository or CrudRepository interfaces
- True
- False

6. What is the default scope of a bean in spring?
-Singleton

7. Which of the following is correct code in pom.xml to deploy a site.
```
<project>
        …
        <dristibutionManagment>
                <site>
                        <id>website</id>
                        <url>scp://www.mycompany.com/www/docs/project/</url>
                </site>
        </distributionManagment>
        …
</project>
```

8. Running mvn site:run will build the site and start an embedded instance of
- Tomcat
- Jboss
- Websphere
- <mark>Jetty</mark>

9. _____ Allow for the ability to customize a particular build for a particular environment; profiles enable portability between different build environments
- Dependencies
- Plugins
- Schemas
- <mark>Profiles</mark>

10. The _____ provides sophisticated CRUD functionality for the entity class that is being managed and which extends Repository Interface
- Repository
- Hibernate Template
- Jdbc Template
- <mark>CrudRepository</mark>

11. Dectarative transactions will be rolled back for which type of exceptions
- Checked Exceptions
- <mark>Unchecked Exceptions</mark>
- Both
- None

12. The @RequestMapping annotation could be given on below artifacts
- <mark>Class as well as Method at a time</mark>
- Either Class or Method at a time
- Only class
- Only Method

13. Consider the following URL.:
http://www.training.com/order/1234567890
Identify the appropriate annotation to address the numeric order ID
- @Path
- <mark>@PathVariable</mark>
- @QueryVariable
- @Param

14. If we need ApplicationEvent publication feature in our application along with Bean Installation/wiring. Which is the likely choice of spring container
- BeanFactory (not sure)
- ApplicationContext   ApplicationContext
- None

15. Spring Boot auto-configuration attempts to automatically configure your spring application based on the jar dependences that you have added
- FALSE
- TRUE

16. if we have included spring-boot-starter-web dependency in pom.xml, then for enabling logging, which other dependency is needed
- spring-boot-starter-logging
- spring-boot-logging
- In this case it is not required any explicit dependency for logging, It will be automatically included.

17. Which one of these options is not an implementation of the Spring IoC container
- ClassPathXmlApplicationContext
- FileSystemXmlApplicationContext
- XmlWebApplicationContext
- InitialContext

18. developer tools are not automatically disabled when running a fully packaged application.
- TRUE
- FALSE

19. Which element is used to achieve setter injection
- Constructor-arg
- Property
- Setter
- Value

20. After the "Instantiate" state, what state is applied on a bean by the spring container?
- Pre-Initialization
- Post-initialization
- Populate Properties
- BeanNameAware's setBeanName()

21. Spring supports _____
- Unit Testing
- Integration Testing
- System Testing
- A & B

22. Select the invalid scope dependencies
- Test
- Compile
- Application
- Provided
- System

23. Which of the following phase in maven life cycle is done in an integration or release environment copies the final package to the remote repository for sharing with other developers and projects
- Integration-test
- Transfer
- Install
- Deploy

24. Maven is a project management tool in addition to being a build tool. True or false?
- TRUE
- FALSE

25. To Configure User specific settings
- <User> tag need to be configure in settings.xml file
- Override the Global property for user using <override> tag
- Copy the settings.xml file to the user directory and apply custom user settings
- None

26. Which annotations does @SpringBootApplications implicitly include?
- @Configuration
- @ComponentScan
- @EnableAutoConfiguration
- A & B
- A, B, C

27. To enable the MVC framework which of the following must be configured as the Controller in the web.xml
- **DispatcherServlet**
- ContextConfigLoader
- ConfigLoader
- ActionServlet

28. When maven starts looking for dependency libraries it first search dependency in local repository
- **TRUE**
- FALSE

29. In a RESTful web service, we use the HTTP methods as verbs to invoke the CRUD action (create, read, update, and delete) which of the following is true
- To read use HTTP PUT method
- **To read use HTTP GET method**
- To read use HTTP POST method
- To read use HTTP DELETE method

30. Identify the property under application properties that can be used to disable restart feature of DevTools
- **Spring.devtools.restart.enabled**
- Spring.devtools.restart.disabled
- Spring.devtools.restart
- None

31. Which of the following bean scopes can be used to create a new bean instance each time when requested?
- Singleton
- **Prototype**
- Request
- Session
- None of the above

32. Settings.xml is used to configure
- Life-cycle bindings
- Configure src and target directories
- **Proxy settings**
- Configure plugin

33. Why declarative transaction management is more efficient than programmatic transaction management
- It keeps transaction management out of business logic
- Easy to configure
- It can handle numerous transactional operations in big application
- **All of the above**

34. How to enable @AspectJ support?
- Using @EnableAspectJAutoProxy annotation
- Using @AspectJ annotation
- Using @Configuration annotation
- **Combination of A & C**

35. The default value of the parameter interactiveMode is
- **"true"**
- "false"

36. Which of these is not true of Spring Boot?
- No code generation
- No requirement for XML configuration
- **No starter dependencies**
- No need for WAR files

37. If we need to automatically restart our spring boot application every time we save some cod e, what should be done?
- This requires including spring-boot-actutaor dependency in pom.xml
- **This needs including spring-boot-devtools dependency in pom.xml**
- This cannot be done

38. _____ is the act of validating that users are whom they claim to be.
- **Authentication**
- Authorization
- Validation
- Identification

39. How do you install custom library jar (not present in remote or central repository) into maven local repository?
- Mvn install:install-file Dfile=$(file).jar -Dgroupid=$(groupid) -Dartifactid=$(artifactid) -Dversion=(version) -Dpackaging=pom
- mvn install:install-file Dfile=$(file).jar -Dgroupid=$(groupid) -Dartifactid=$(artifactid) -Dversion=(version) -Dpackaging=jar
- mvn package:install-file Dfile=$(file).jar -Dgroupid=$(groupid) -Dartifactid=$(artifactid) -Dversion=(version) -Dpackaging=jar
- mvn deploy:install-file Dfile=$(file).jar -Dgroupid=$(groupid) -Dartifactid=$(artifactid) -Dversion=(version) -Dpackaging=jar

40. which XML element is used to define bean in spring configuration file?
- Beans
- Bean
- Class
- Pojo

41. Which is true about Spring Beans?
- Spring beans are simple POJO
- Life Cycle of Spring Beans is managed by Spring IoC Containers
- Spring Beans are wired together by Spring IoC Containers
- All of the above

42. Which command has been designed to check maven version
- Mvn -X
- Mvn -v
- Mvn -h
- Mvn -up

43. Which of the following are reasons why I should choose Spring in the new Application being developed by my team?
- Because I need loose coupling in the modules of the new Application
- Because I need tight coupling in the modules of the new Application
- Because I need to introduce and increase boilerplate code
- All of the above
- None of the above

44. Which component helps Controller send the data to view?
- ViewResolver
- Controller
- ModelAndView
- HandlerMapping

Q – What are the benefits of the spring framework transaction management?

⇨ E. All of the above.

Q – Which Propagation level describe "Support a current transaction, create a new one if none exists"

⇨ E. PROPAGATION_REQUIRED

Q – Which is true about spring beans?

⇨ D. All of the above.

Q – Which component helps controller send the data to view?

A. ViewResolver

B. Controller

C. ModelAndView

D. Handler Mapping

C) ModelAndView

Q – Which of the following are reasons why I should choose Spring in the new application being developed by my team?

⇨ A. Because I need loose coupling in the modules of the new application.

Q – The _____ provides sophisticated CRUD functionality for the entity class being managed and which extends Repository interface.

⇨ D. CrudRepository

Q – Consider the following URL:

http://www.traning .com/order/1234567890

Identify the appropriate annotation to address the numeric order ID

A. @Path
B. @PathVariable
C. @Query Variable
D. @Param

B) @PathVariable

Q – Can we work with Spring Boot using Groovy?

⇨ A. Yes

Q – State true or false: The clean plugin clean goal is bound to the clean phase in the clean lifecycle

⇨ B. Ture

Q – State true of false: Spring data repositories are classes that usually extends from the repository or CrudRepository interfaces.

⇨ A. True

Q – The @RequestMapping annotation could be given on below artifacts.

⇨ A. Class as well as Method at a time

Q – If we have included spring-boot-starter-web dependency in pom.xml, then for enabling logging, which other dependency is needed.

A. spring-boot-starter-logging   C

B. spring-boot-logging

C. In this case it is not required to include any explicit dependency for logging, it will be automatically included.

Q – Which one of these options in not an implementation of the Spring IoC container?

⇨ D. Initial Context

Q – Spring supports _____

⇨ D. A&B

Q – Which element is used to achieve setter injection?

⇨ B. Property

Q - Why declarative transaction management is more efficient than programmatic transaction management?

A It keeps transaction management out of business logic

B Easy to configure

C It can handle numerous transactional operations in big application

D. All of the above

Q - What is AOP?

A. Seperating different business logics from each other

B. Seperating secondary concems from business logic

C. It is replacement to OOP

D. Scripting Language

Q - What POM stands for?

A. Project Objective Model

B. Project Object Mode

C. Project Objective Mode

D. Project Object Model

Q - What is the default scope of a bean in spring?

A. prototype

B. singleton

C. session

D. request

Q - Which of the following is the correct code in pom.xml to deploy a site. Assume that the location to deploy to is www.mybank.com in the path/www/docs/project

⇨   <project>
…

```
<distribution Management>
<site>
<id>website</id>
<url>scp://www.mycompany.com/www/docs/project/</url>
</site>
</distribution Management>
…
</project>
```

Q - Running mvn site run will build the site and start an embedded instance of _____

A. Tomcat

B. Jboss

C. Websphere

D. Jetty

Q - _____ allow for the ability to customize a particular bund for a particular environment and hence enable portability between different build environments.

A. Dependencies

B. Plugins

C. Schemas

D. Profiles

Q - Declarative transactions will be rolled back for which type of exceptions?

A. Checked Exceptions

B. Unchecked Exceptions

C. Both

D. None

Q - If we need ApplicationEvent publication feature in our application along with Bean Instantiation/wiring, which is the likely choice of Spring container?

A. BeanFactory

B. ApplicationContext

C. none

Q - True or false? Spring Boot auto-configuration attempts to automatically configure your Spring application based on the jar dependencies that you have added

A. False

<mark>B. True</mark>

Q – Developer tools are not automatically disabled when running a fully packaged application. True or false?

A. True

<mark>B. False</mark>

Q - After the "Instantiate" state, what state is applied on a bean by the spring container?

A. Pre-Initialization

B. Post-Initialization

<mark>C. Populate Properties</mark>

D. BeanNameAware's setBeanName()

Q - settings.xml is used to configure

A. life-cycle bindings

<mark>B. Configure src and target directories</mark>

C. Proxy setting   C

D. Configure plugin

Q - Which of the following phase in maven life cycle is done in an integration or release environment, copies the final package to the remote repository for sharing with other…

A. integration-test

B. transfer

C. install

D. deploy

Q – Maven is a project management tool in addition to being a building tool. True or false?

A. True

B. False

Q – Select the invalid scope of dependencies.

⇨ C. application

Q – To configure user specific setting

⇨ C. copy the settings.xml file to the user directory and apply custom user settings.

Q – To enable the MVC framework which of the following must be configured as the controller in the web.xml

⇨ A. DispatcherServlet

Q – Which annotation does @SpringBootApplication implicitly include?

A. @Configuration

B. @ComponentScan

C. @Enable AutoConfiguration

D. A&B

E. A,B,C

Q – In a RESTful web service, we use the HTTP methods as verbs to invoke the CRUD action (create, read, update, and delete). Which of the following is true?

⇨ B. to read use HTTP GET method.

Q – State True or False –

When Maven starts looking for dependency libraries, it first searches dependency in local repository.

⇨ A. True

Q – Identify the property under application properties that can be used to disable restart feature of DevTools.

⇨ A. spring.devtools.restart.enabled

Q – Which of the following action can be done using Authentication?

⇨ A. Verify Credentials.

Q – Which of the following bean scopes can be used to create a new bean instance each time when requested?

⇨ B. Prototype

Q – The default value of the parameter interactivemode is ____

⇨ A. "true"

Q – How to enable @AspectJ support/

⇨ A. using @EnableAspectJAutoProxy annotation

Q - Given the below web xml configuration, which path should have the file that contains XML. configuration metadata for ApplicationContext of given Dispatcherservlet?

<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>

A. /WEB INF/application-context.xml

B. /application-context.xml

C. /WEB INF/dispatcher-context.xml

D. /dispatcher-context.xml

Q – Which of these is not true of spring boot?

⇨ C. No starter dependencies.

Q – If we need to automatically restart our spring boot application every time we save some code, what should be done?

⇨ B. This needs including spring-boot-devtools dependency in pom.xml

Q – Which one of the following URL pattern is recommended when submitting the request using HTTP GET method for fetching details of a particular flight?

⇨ D. http://www.traning.com/service/AI-123

Q – How do you install custom library jar (not present in remote or central repository) into maven local repository?

⇨ B. mvn install:install-file -Dfile=${file}.jar =DgroupId=${groupId} -DartifactId=${artifactId} -Dversion={version} -Dpackaging=jar

Q - _____ is the act of validating that users are whom they claim to be.

⇨ A. Authentication.

Q – Which XML element is used to define bean in Spring Configuration File?

⇨ B. bean

Q – Which command has been designed to check a Maven Version?

⇨ B. mvn -v

Q - Maven's small download size is because the core of Maven has been designed to retrieve plugins and dependencies from a remote repository on demand. True or False?

⇨ A. True

Q - Which license is Apache Maven released under?

A. MIT

B. GPL 2.0

C. Apache Software License, Version 2.0.

D. BSD

Q - To turn on resource filtering, you need to use the _____ child element of the build element in a POM.

A. execution

B. property

C. resources

D. bean

Q - Select the correct command for creating Maven site.

A. mvn -v

B. mvn up

C. mvn site

D. mvn sitedoc

Q – How many standard lifecycles does maven have?

⇨ C. 3

Q - _____ allow for the ability to customize a particular build for a particular environment and hence enable portability between different build environments.

⇨ D. Profiles.

Q – True or false? You can't have two separate projects with the same artifactId and groupId

A. False

B. True

Q - Following is the list of phases maven code is executing:

1.validate

2.Compile

3. Test

4.Package

5.Integration-test

6. Verify

7. install

8. Deploy

Which of the following will traverse into all of the subprojects and run clean, then install (including all of the prior steps)?

A. mvn clean

B. mvn Integration-test

C. mvn deploy

D. mvn clean install

E. mvn test

Q - When should you choose ApplicationContext over BeanFactory?

A. When you want to use Dependency injection

B. When you want localized messages with pluggshe implementation

C. When you need support for application and framework events

D. B&C

E. All of the above

Q - If the method is defined in a type in the com.spring.aop.web package or any sub-package under it. What will be the expression?

A. @Pointcut("within(com.spring.aop.web.')")public void inWebLayer(){}

B. @Pointcut("execution(com.spring.aop.web.')")public void inWebLayer(){}

C. @Pointcut("execution(com.spring.aop.web.test.')")public void inWebLayer(){}

D. @Pointcut("expression(com.spring.aop.web.web.')")public void inWebLayer(){}