

Question # 29

Revisit

Choose the best option

- ☐ @WebServlet
 - ☒ @Servlet("/hello")
 - ☐ @Servlet
 - ☐ @WebServlet("/hello")
- Clear Response

In Servlet3.0 which of the given annotation is used to declare the following class as a Servlet Component with the URL pattern will be "/hello"?

// annotation to be applied

```
public class MyServlet extends javax.servlet.http.HttpServlet{
```

Question # 28

How is the dynamic interception of requests and responses to transform the information done?

Revisit

Choose the best option

- ☐ servlet container
- ☒ servlet config
- ☐ servlet context
- ☐ servlet filter

Clear Response

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16 17 18 19 20 21 22 23 24 25 26 27 28

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Print Test

Question # 27

Revisit

Which of the following annotation is applied on the unique id of an entity to get its value generated?

Choose the best option

- ☐ @Generator
- ☒ @GeneratedValue
- ☐ @IdGenerator
- ☐ @Sequence
- Clear Response

Question # 26

Revisit

Choose the best option

Which of the following is the right sequence of stages in the JSP life cycle?

- ☐ Initialization, Cleanup, Compilation, Execution
 - ☒ Initialization, Compilation, Cleanup, Execution
 - ☐ Compilation, Initialization, Execution, Cleanup
 - ☐ Cleanup, Compilation, Initialization, Execution
- Clear Response

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Final Total

15

Question # 25

Which of these JDBC mechanisms allows us to define checkpoints for a transaction?

Revisit

Choose the best option

- ☐ CheckPoint
- ☒ CommitPoint
- ☐ Savepoint
- ☐ RollbackPoint
- ☐ Clear Response

Question # 24

Revisit

Choose the best option

How many ServletContext objects are available for an entire web application?

- ☐ One each per servlet
- ☒ One each per request
- ☐ One each per response
- ☐ Only one
- Clear Response

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Final Test

11

Question # 23

Revisit

Choose the best option

- ☐ Postback tool
- ☒ Writing Web application using RestTemplate
- ☐ Writing web application using RestManager
- ☐ Writing web application using RestMan
- Clear Response

Which of the following can be used to test APIs in web service?

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Finals Test

Question # 22

Revisit

Assume we do not explicitly set a value for auto-commit for a Connection Instance. We have a Statement created from that Connection which we use to perform an Insert operation using executeUpdate. Assuming there is nothing wrong with the inserts, what is the outcome?

Choose the best option

- ☐ An error is thrown as executeUpdate is not meant for inserts
 - ☐ The rows are inserted, but not committed
 - ☒ The rows are inserted and committed
 - ☐ An error is thrown since we need to explicitly set a value for auto-commit
- Clear Response

Question # 20

Revisit

Which of the following method is best suited to call on JDBC connection object, in the scenario where same SQL statement needs to be executed frequently with different parameters?

Choose the best option

- ☐ createStatement()
- ☒ prepareStatement()
- ☐ prepareCall()
- ☐ nativeSQL()

Clear Response

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Final Test

Question # 20

Revisit

Which of the following method is best suited to call on JDBC connection object, in the scenario where same SQL statement needs to be executed frequently with different parameters?

Choose the best option

- ☐ createStatement()
- ☐ prepareStatement()
- ☐ prepareCall()
- ☐ nativeSQL()

Question # 17

```
<hibernate-configuration>
<session-factory>
...
<property name="hibernate.hbm2ddl.auto">create</property>
</session-factory>
</hibernate-configuration>
```

Referring to the above partial code of hibernate configuration file,
which of the following is not a valid value for hibernate.hbm2ddl.auto property for hibernate configuration?

Revisit

Choose the best option

- ☐ create-drop
- ☒ drop
- ☐ update
- ☐ create
- Clear Response

Question # 15

Revisit

Choose the best option

When it comes to the Initialization phase of the JSP life cycle, which of the following is true?

- ☐ When a container loads a JSP it invokes the `jspInit()` method before servicing any requests.
- ☒ Container invokes `_jspService()` method during Initialization phase
- ☐ Both of the above
- ☐ None of the above

Clear Response

Question # 14

Revisit

What is TRUE about the cascading and cascade mode attributes in JPA Entities?

Choose the best option

- ☐ Cascade mode attributes can be specified for the association annotations (like @OneToMany) in an entity
- ☒ The cascading direction is from the target entity to the source entity
- ☐ PERSIST, DELETE are the only valid cascading mode attributes
- ☐ Cascading is not supported in JPA

Clear Response

Question # 12

Revisit

Choose the best option

In hibernate, _____ annotation is used to represent primary key

- ☐ @Id
- ☐ @GeneratedValue
- ☒ @Entity
- ☐ @Key
- Clear Response

Question # 11

Revisit

Choose the best option

Complete the following aspect implementation for an around advice (missing lines —Line 4 and Line 7)
Identify the correct Line of code to be inserted at the respective lines.

```
@Aspect
public class BusinessAspect
{
    // Line 4
    public void businessMethods() { } // Line 5
    // Line 7
    public Object profile(ProceedingJoinPoint joinpoint) throws Throwable // Line 8
    {
        long start = System.currentTimeMillis();
        Object output = joinpoint.proceed();
        long elapsedTime = System.currentTimeMillis() - start;
        System.out.println("Method execution time: " + elapsedTime + " milliseconds.");
        return output;
    }
}
```

- ☐ @Pointcut("expression(* com.demo.dao.*(..)*)" //Line 4
- ☐ @Around("businessMethods()") //Line 7
- ☒ @Around("businessMethods()") //Line 4
- ☐ @Pointcut("expression(* com.demo.dao.*(..)*)" //Line 7
- ☐ @Around("businessMethods()") //Line 4
- ☐ @Pointcut("execution(* com.demo.dao.*(..)*)" //Line 7
- ☐ @Pointcut("execution(* com.demo.dao.*(..)*)" //Line 4
- ☐ @Around("businessMethods()") //Line 7

Clear Response

Question # 9

Revisit

Choose the best option

Which of the following, cannot be supplied as automatic configuration in Spring Boot?

- ☐ Request Handler
- ☒ Dispatcher Servlet
- ☐ View Resolver
- ☐ Handler Mapping
- ☐ Clear Response

Question # 10

Revisit

Choose the best option

Which of the following annotation in JPA, is used to specify primary key – foreign key relation between two entities?

- ☐ JoinColumn
- ☐ IdClass
- ☒ EmbeddedId
- ☐ MapId
- [Clear Response](#)

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Finish Test

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Question # 7

In spring MVC _____ class works as frontend controller.

Revisit

Choose the best option

- ☐ DispatcherServlet
- ☐ All Classes annotated with @Controller
- ☒ ViewResolver
- ☐ HandlerMapping
- Clear Response

Question # 4



Choose the best option

- ☐ A loop must start in one Scriptlet and end in it
- ☒ Instructions in a Scriptlet must follow Java syntax
- ☐ Semicolon is not required at the end of each statement in a Scriptlet
- ☐ All of the above

Clear Response

What is correct about JSP Scriptlets?

Question # 2

Revisit

Choose the best option

Which of the following problems can be solved using Lookup Method Injection in Spring?

- ☐ Singleton to Prototype dependency
- ☐ Prototype to Singleton dependency
- ☒ Singleton to Singleton dependency
- ☐ Prototype to Prototype dependency

Clear Response

Question # 3

Revisit

Identify which of the following types of JDBC drivers makes use of the database native protocol.

Choose the best option

- ☐ JDBC-ODBC Bridge plus ODBC driver
- ☐ Native-API, partly Java driver
- ☒ JDBC-NET, pure Java driver
- ☐ Native-protocol, pure Java driver

Clear Response

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Finish Test

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Question # 40

Revisit

Choose the best option

- ☐ @EnableSpringApplication
- ☒ @SpringApplication
- ☐ @SpringBootApplication
- ☐ @EnableSpringBootApplication
- Clear Response

In SpringBoot application the class which has main method, should be annotated with _____

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Failed Test

Question # 39

Revisit

Which of the following annotation can be used for testing spring boot application, which creates the entire context without starting the server?

Choose the best option

- ☐ @Test
 - ☒ @WebMvcTest
 - ☐ @SpringBootTest
 - ☐ @SpringBootTestIntegrationTest
- Clear Response

Question # 37

Revisit

Choose the best option

Which of the following annotation is used in JPA to link two tables through a relation table?

- ☐ @JoinTable
- ☒ @LinkTable
- ☐ @RelationTable
- ☐ @JoinColumn
- Clear Response

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Finish Test

Question # 34

Which of the following is not a valid phase in maven default build lifecycle?

Revisit

Choose the best option

- ☐ clean
- ☒ validate
- ☐ compile
- ☐ install
- Clear Response

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Finish Test

Question # 35

Revisit

How would you configure a RESTful URL parameter that supports a search for a book based on its ID?

Choose the best option

- ☐ GET /{id}/books/
- ☒ GET /books/{id}
- ☐ GET /book?id={id}
- ☐ GET /books?id={id}

Clear Response

Question # 33

Revisit

Choose the best option

What is a POM file in a Maven project?

- ☐ A file that contains the compiled bytecode of the classes in your project
- ☒ A package that stores resources like images for the Java project
- ☐ A file that points to the media resources used by a Java project
- ☐ A file that stores the structure and dependencies for your Maven project

Clear Response

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100% Total

Question # 31

Revisit

Any client request to access resources in the WEB-INF/ directory must be returned with _____.

Choose the best option

- ☐ BAD_REQUEST
- ☒ SC_NOT_FOUND
- ☐ SC_INTERNAL_SERVER_ERROR
- ☐ ESC_BAD_REQUEST

Clear Response

Question # 32

Revisit

Choose the best option

Choose the inheritance model, which is not available in Hibernate.

- ☐ Table Per sub-class
- ☒ Table Per class hierarchy
- ☐ Table Per Object
- ☐ Tables Per Concrete Class
- Clear Response

Question # 36

Revisit

Choose the best option

In which one of the following situations does Hibernate Criteria API not provide a benefit?

- ☐ Allows to use aggregate functions
- ☒ Cannot order the result set
- ☐ Allows to fetch only selected columns of result
- ☐ Can add conditions while fetching results

Clear Response

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Final Test

Question # 38

Revisit

The ability to invoke a RESTful method multiple times without changing the state of the server on subsequent invocations is known as:

Choose the best option

- ☐ Idempotence
- ☒ Immutability
- ☐ Statefulness
- ☐ Uniformity
- ☐ Clear Response

Question # 1

Revisit

Assume you have a servlet class with an `HttpServletRequest` object called `myReq`. Your servlet has extracted the details from the incoming request and needs to forward it to a servlet accessible at the URL "processingservlet". Which step do you need to carry out before you forward the request over to the next servlet?

Choose the best option

- ☐ `HttpServletResponse resp = myReq.next("processingservlet");`
 - ☐ `RequestDispatcher rd = myReq.getRequestDispatcher("processingservlet");`
 - ☒ `HttpServletRequest nextReq = myReq.next("processingservlet");`
 - ☐ `HttpServlet httpServ = myReq.next("processingservlet");`
- Clear Response

Question # 5

Revisit

What dependency artifact Id must be added to see the secure actuators in spring boot?

Choose the best option

- ☐ spring-boot-secure-actuators
- ☒ spring-boot-start-web-services
- ☐ spring-boot-dev-tools
- ☐ spring-boot-starter-security

Clear Response

Question # 6

Revisit

Choose the best option

The return type of `getParameterNames()` of `HttpServletRequest` object is:

- ☐ Array of Strings
- ☐ `java.util.ArrayList`
- ☒ `java.util.Enumeration`
- ☐ String

Clear Response

Question # 8

Revisit

Choose the best option

- ☐ jsp:plugin
☒ jsp:include
☐ jsp:useProperty
☐ jsp:useBean
Clear Response

Which of the following is not a valid JSP Action tag?

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Finish Test

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Question # 13

Revisit

Which of the following annotation is recommended for partial update of resource in Spring boot rest controller?

Choose the best option

- ☐ @GetMapping
- ☐ @PostMapping
- ☒ @PutMapping
- ☐ @PatchMapping
- Clear Response

Question # 16

Revisit

Choose the best option

- ☐ Hibernate may be slower than JDBC , if caching is not used properly
- ☒ Hibernate's connection pool is not great
- ☐ Need to learn HQL syntax
- ☐ Hibernate provides automatic support for transactions

Clear Response

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Finish Test

Question # 18

Which level of cache is represented by Hibernate Session object?

Revisit

Choose the best option

- ☐ First Level Cache
- ☐ Second Level Cache
- ☒ Query Cache
- ☐ Database Cache
- Clear Response

Question # 21

Revisit

Which of the following is not a valid attribute of <jsp:useBean> Action tag?

Choose the best option

- ☐ id
 - ☒ class
 - ☐ type
 - ☐ property
- Clear Response

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Final Test

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Question # 30

Which of the following statements is false about Hibernate SessionFactory?

Revisit

Choose the best option

- ☐ It is a class
 - ☒ It is a factory of session objects
 - ☐ It is a thread safe object
 - ☐ It represents second level cache
- Clear Response