

Advance Java CCEE Mock Test

Total points 7/40 ?

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0 of 0 points

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Questions

7 of 40 points



✗ When a JSP page is compiled, what is it turned into *

0/1

☒ Application

✗

☐ Servlet

☐ Applet

☐ Mailet

Correct answer

☒ Servlet

✗ Assume that you need to write a JSP page that adds numbers from one to ten, and then print the output. *0/1

```
< % int sum = 0;
```

```
for(j = 0; j < 10; j++) { % >
```

```
// XXX --- Add j to sum
```

```
// YYY --- Display the sum
```

Which statement when placed at the location XXX can be used to compute the sum.

☒ < %= sum = sum + j % >

✗

☐ < % sum = sum + j % >

☐ < % sum = sum + j; % >

☐ < %= sum = sum + j; % >

Correct answer

☒ < % sum = sum + j; % >



✗ Which option is incorrect about Spring Framework? *

0/1

- ☐ It is a lightweight framework.
- ☒ Spring applications are loosely coupled because of dependency injection. ✗
- ☐ It provides declarative support for caching, validation, transaction, and formatting
- ☐ It offers only Java-based annotations for configuration options.

Correct answer

- ☒ It offers only Java-based annotations for configuration options.

✗ Which of the following is correct about Statement? *

0/1

- ☐ All of given
- ☒ Useful when you are using static SQL statements at runtime ✗
- ☐ The Statement interface cannot accept parameters.
- ☐ Used for general-purpose access to your database

Correct answer

- ☒ All of given



✗ Suppose you are working on a Spring based Web Application. Generally, there are three ways to implement a core feature of Spring framework in your application. Below are the three ways: *0/1

1) Using Annotation 2) Using XML configuration 3) Implementing Interfaces provided by Spring framework

Which option is correct if you want to define Bean Lifecycle methods in your project:

☒ Only Option (1)

✗

☐ Option (1) & Option (2)

☐ Option (2) & Option (3)

☐ All three

Correct answer

☒ All three

✗ Select the option which is true about BeanFactory & ApplicationContext in the Spring Framework *0/1

☒ Any description of ApplicationContext capabilities and behavior should be considered to apply to BeanFactory as well.

✗

☐ An ApplicationContext is a complete superset of a BeanFactory

☐ When building most applications in a J2EE-environment, the best option is to use the BeanFactory, since it offers all the features of the ApplicationContext.

☐ BeanFactory builds on top of the ApplicationContext.

Correct answer

☒ An ApplicationContext is a complete superset of a BeanFactory



✗ You are working in a Spring based web application. You declare the scope *0/1 of a bean by using annotations. Select the option which is incorrect in declaring the scope.

```
@Component
@Scope("request")
public class Product {
    //some methods and properties
}
```

☒ A

✗

```
@Component
@Scope("session")
public class Product {
    //some methods and properties
}
```

☐ B

```
@Component
@Sessionscope
public class Product {
    //some methods and properties
}
```

☐ C

```
@Component
@SessionScope
public class Product {
    //some methods and properties
}
```

☐ D

Correct answer

☒ C



✗ What gets printed when the following JSP code is invoked in a browser? * 0/1

```
< %= if(Math.random() < 0.5) % >
```

hello

```
< %= } else { % >
```

hi

```
< %= } % >
```

- ☒ The string hello will always get printed. ✗
- ☐ The JSP file will not compile.
- ☐ The string hi will always get printed.
- ☐ The browser will print either hello or hi based upon the return value of random.

Correct answer

- ☒ The JSP file will not compile.

✗ How can you execute a stored procedure in the database? * 0/1

- ☒ Call method run() on a ProcedureCommand object ✗
- ☐ Call method execute() on a CallableStatement object
- ☐ Call method executeProcedure() on a Statement object
- ☐ Call method execute() on a StoredProcedure object

Correct answer

- ☒ Call method execute() on a CallableStatement object



✗ A bean with a property color is loaded using the following statement *0/1

```
<jsp:usebean id="fruit" class="Fruit" />
```

Which of the following statements may be used to set the of color property of the bean.

- ☒ <jsp:setValue name="fruit" property="color" value="white" /> ✗
- ☐ <jsp:setColor name="fruit" property="color" value="white" />
- ☐ <jsp:setProperty name="fruit" property="color" value="white" />
- ☐ <jsp:setColor id="fruit" property="color" value="white" />

Correct answer

- ☒ <jsp:setProperty name="fruit" property="color" value="white" />

✗ Four annotations given below, are used in Spring Boot based application. *0/1

Which one is the annotation of Spring Boot that is an alternative to Spring's standard @Configuration annotation?

- ☐ @EnableAutoConfiguration
- ☐ @ConfigurationProperties
- ☒ @ConfigurationPropertiesScan ✗
- ☐ @SpringBootConfiguration

Correct answer

- ☒ @SpringBootConfiguration



✓ Which option is true for the role of BeanFactory in Spring Framework: * 1/1

- ☐ BeanFactory provides access to messages in i18n-style
- ☐ BeanFactory provides event propagation to beans implementing the ApplicationListener interface
- ☒ BeanFactory provides the configuration framework and basic functionality ✓
- ☐ BeanFactory provides access to resources, such as URLs and files

✓ Which packages contain the JDBC classes? * 1/1

- ☐ java.jdbc and javax.jdbc
- ☐ java.jdbc and java.jdbc.sql
- ☒ java.sql and javax.sql ✓
- ☐ java.rdb and javax.rdb

✓ Which option is incorrect about @Component annotation? * 1/1

- ☐ It scans our application for classes annotated with @Component
- ☐ It instantiates classes whenever required
- ☒ It doesn't inject any specified dependencies ✓
- ☐ It supports Spring's auto-detection mechanism



✓ Consider the following HTML page code:

*1/1

```
< html >
```

```
< body >
```

```
< a href="/servlet/HelloServlet" >POST< /a >
```

```
< /body >
```

```
< /html >
```

Which method of HelloServlet will be invoked when the hyperlink is clicked?

☐ servicePost

☒ doGet



☐ doHref

☐ doPost

✗ For an entity class Car(id, model, year) which of these JPA queries is valid *0/1 to fetch all the BMW cars?

☐ select c from Car c where c.model="bmw"

☒ select * from Car c where c.model=:param1



☐ select c from Car c where c.model=:param1

☐ from Car c where c.model=:param1

Correct answer

☒ select c from Car c where c.model=:param1



✗ A POJO class written and this class to work as an entity to implement the ORM concept. What are the minimum required annotations we must use at the class to create a table in the database? *0/1

- ☐ @Id, @GeneratedValue
- ☒ @Table, @Entity, @Id
- ☐ @Id, @Entity
- ☐ @Column, @Entity, @Table

✗

Correct answer

- ☒ @Id, @Entity

✗ Which method in the HttpServlet class services the HTTP POST request? * 0/1

- ☐ doPOST(ServletRequest, ServletResponse)
- ☒ servicePost(HttpServletRequest, HttpServletResponse)
- ☐ doPost(HttpServletRequest, HttpServletResponse)
- ☐ doPost(ServletRequest, ServletResponse)

✗

Correct answer

- ☒ doPost(HttpServletRequest, HttpServletResponse)



✗ What is the key difference between using a `<jsp:forward>` and `HttpServletResponse.sendRedirect()`?

*0/1

- ☐ forward executes on the server while `sendRedirect()` executes on the client
- ☒ The two methods perform identically. ✗
- ☐ forward executes on the client while `sendRedirect()` executes on the server
- ☐ none

Correct answer

- ☒ forward executes on the server while `sendRedirect()` executes on the client

✗ What annotation is used to map value to the method argument in `http://localhost/factorial/{value}`?

*0/1

- ☐ @Map
- ☒ @Param ✗
- ☐ @RequestParam
- ☐ @PathVariable

Correct answer

- ☒ @PathVariable



✗ < %@ page language="java" % > *

0/1

< % int x=0;

while(x<=10)

{

% >

out.println(%=x++%);

< %}% >

The output of the above JSP file is

- ☐ prints 1 to 9
- ☐ Goes into infinite loop
- ☒ prints 10 times out.println(%=x++% >
- ☐ prints 1 to 10

✗

Correct answer

- ☒ Goes into infinite loop



✗ Which of the following is correct about JDBC? *

0/1

- ☐ JDBC architecture decouples an abstraction from its implementation.
- ☒ JDBC follows a bridge design pattern. ✗
- ☐ Both of the above.
- ☐ None of the above

Correct answer

- ☒ Both of the above.

✗ Which statement is wrong? *

0/1

- ☐ HQL is case insensitive for class names and properties
- ☐ SQL operates on relations , HQL operates on objects.
- ☒ HQL supports polymorphic queries ✗
- ☐ HQL is ultimately generated into underlying SQL.

Correct answer

- ☒ HQL is case insensitive for class names and properties



✗ Which of the following is not an advantage of Hibernate Criteria API? * 0/1

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

✗

Correct answer

- ☒ Cannot order the result set

✗ Which of the following method is static and synchronized in JDBC API? * 0/1

- ☐ executeUpdate()
- ☒ executeQuery()
- ☐ prepareCall()
- ☐ getConnection()

✗

Correct answer

- ☒ getConnection()



✗ There are two entities in a application: Student & Address. A relation where One student can have multiple addresses and one address can accommodate multiple students in a bidirectional relationship. We doesn't want hibernate to create one additional table. Which of the following annotation and its attribute will you use to fulfil the given requirement?

*0/1

- ☒ @ManyToMany and mappedBy
- ☐ @ManyToOne and mappedBy
- ☐ @OneToOne and MappedBy
- ☐ @OneToMany and MappedBy

✗

Correct answer

- ☒ @OneToMany and MappedBy



- ✗ Suppose you are working on a Hibernate-based application. You have two *0/1 classes as below. You want to create a table into the database using hibernate ORM concept.

```
public class Employee {  
  
    private int id;  
  
    private Name name;  
  
    private double salary;  
  
    // getters & setters  
  
}  
  
public class Name {  
  
    private String firstName;  
  
    private String lastName;  
  
    //getters & setters  
  
}
```

You want to create a table named 'employee' with 4 columns: Id, firstName, lastName, salary. Which option is correct to create the aforesaid table. Assume that table & column names are not case-sensitive

```
public class Employee {  
    @Id  
    private int id;  
    private Name name;  
    private double salary;  
    // getters & setters  
}  
@Embeddable  
public class Name {  
    private String firstName;  
    private String lastName;  
    // getters & setters  
}
```

☒ A

✗

```
@Entity  
public class Employee {  
    @Id  
    private int id;  
    @Embedded  
    private Name name;  
    private double salary;  
    // getters & setters  
}  
@Embedded  
public class Name {  
    private String firstName;  
    private String lastName;  
    // getters & setters  
}
```

☐ B




```
@Entity
public class Employee {
    @Id
    private int id;
    @Embedded
    private Name name;
    private double salary;
    // getters & setters
}

@Entity
public class Name {
    private String firstName;
    private String lastName;
    // getters & setters
}
```

☐ C

```
@Entity
public class Employee {
    @Id
    private int id;
    @Embeddable
    private Name name;
    private double salary;
    // getters & setters
}

@Entity
public class Name {
    private String firstName;
    private String lastName;
    // getters & setters
}
```

☐ D

Correct answer

☒ C

✗ Which of the following steps establishes a connection with a database? * 0/1

- ☒ Import packages containing the JDBC classes needed for database programming. ✗
- ☐ Open a connection using the DriverManager.getConnection () method.
- ☐ Register the JDBC driver, so that you can open a communications channel with the database.
- ☐ Execute a query using an object of type Statement

Correct answer

- ☒ Open a connection using the DriverManager.getConnection () method.



✗ Which annotation binds a JPA Query parameter to a method argument? * 0/1

- ☐ @QueryParameter
- ☒ @QueryParam
- ☐ @RequestParam
- ☐ @Param

✗

Correct answer

- ☒ @Param

✗ What is the purpose of @SpringBootConfiguration annotation in a Spring Boot web application? *0/1

- ☐ enables Spring Boot's auto-configuration mechanism
- ☐ enables registration of extra beans in the context
- ☒ scans on the package where the application is located
- ☐ disables additional configuration classes from the application

✗

Correct answer

- ☒ enables registration of extra beans in the context



✗ Session tracking can be achieved using *

0/1

- ☐ All of the given
- ☐ URL Rewriting
- ☐ User authorisation
- ☒ Hidden form fields

✗

Correct answer

- ☒ All of the given

✗ Select the incorrect statement about BeanFactory in Spring Framework? * 0/1

- ☐ BeanFactory supports the Annotation-based dependency Injection
- ☐ BeanFactory is capable of creating associations between dependent objects while instantiating them
- ☐ BeanFactory instantiates beans whenever asked by the client application
- ☒ BeanFactory holds bean definitions

✗

Correct answer

- ☒ BeanFactory supports the Annotation-based dependency Injection



✗ What is the built-in library in Spring Boot used to serialize objects to JSON *0/1
format?

- ☐ Gson
- ☒ MessageConverter
- ☐ Jackson
- ☐ JsonFormatter

✗

Correct answer

- ☒ Jackson

✗ Interservlet communication can be achieved using *

0/1

- ☐ ServletContext
- ☐ HttpSessionContext
- ☒ HttpServletContext
- ☐ SessionContext

✗

Correct answer

- ☒ ServletContext



✗ What is the property used to change the port to 9090 in a Spring Boot application? *0/1

- ☒ port=9090
- ☐ Cannot be changed
- ☐ server=9090
- ☐ server.port=9090

✗

Correct answer

- ☒ server.port=9090

✗ Which of the following files is the correct name and location of deployment descriptor of a web application. Assume that the web application is rooted at \doc-root. Select the one correct answer *0/1

- ☒ \doc-root\WEB_INF\dd.xml
- ☐ \doc-root\web.xml
- ☐ \doc-root\WEB-INF\web.xml
- ☐ \doc-root\dd.xml

✗

Correct answer

- ☒ \doc-root\WEB-INF\web.xml



✓ In JPA, which one of the following annotation converts the date and time values from Java object to compatible database type and retrieves back to the application. *1/1

- ☐ @Time
- ☐ @Date
- ☒ @Temporal
- ☐ @Timestamp



✗ What annotation is used to map a method for PUT request? *

0/1

- ☐ @Put
- ☒ @Post
- ☐ @PostMapping
- ☐ @PutMapping



Correct answer

- ☒ @PutMapping

✓ After EntityManager is closed, entity is in a _____ state. *

1/1

- ☒ detached
- ☐ persistent
- ☐ dead
- ☐ managed



✓ Name the class that includes the getSession method that is used to get the HttpSession object *1/1

- ☐ SessionConfig
- ☒ HttpServletRequest
- ☐ HttpServletResponse
- ☐ SessionContext



0 of 0 points

Feedback

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