

**MET-IIT**  
**Practice Mock for JAVA Tech-2 (Core Java)**

Q.No.1

Which code snippet could execute the stored procedure "findResult ()" located in a database server?

- a. Statement stmt=connection.createStatement();  
stmt.executeQuery("findResult()");
- b. CallableStatement cs=connection.prepareCall("{call findResult()}");  
cs.executeQuery();
- c. PreparedStatement pstmt=connection.prepareStatement("findResult()");  
pstmt.execute();
- d. Statement stmt=connection.createStatement();  
stmt.executeStoredProcudure("findResult()");

Q.No.2

What is the root element for a deployment descriptor of a web application?

- a. <web-application>
- b. <web>
- c. <web-app>
- d. <deploy-descriptor>

Q.No.3

Which of the following tags are used for directives in JSP?

- a. <%! %>
- b. <%@ %>
- c. <% %>
- d. None of the above

Q.No.4

Which of the following is not an implicit object in JSP?

- a. response
- b. config
- c. pageContext
- d. system

Q.No. 5

How can you compile the HelloWorld.java file using compact profile1?

- a. javac -compact1 HelloWorld.java
- b. javac -compact compact1 HelloWorld.java
- c. jdeps -profile HelloWorld.java
- d. javac -profile compact1 HelloWorld.java

Q.No.6

Which of the following statements includes the file header.html in another?

- a. <%@ include="header.html" %>
- b. <%@ include file ="header.html" %>
- c. <%@ page include="header.html" %>
- d. <%@ include url="header.html" %>

Q.No.7

Find correct output

```
import java.net.*;
class networking {
    public static void main(String[] args) throws UnknownHostException {
        InetAddress obj1 = InetAddress.getByName("cdac.in");
        System.out.print(obj1.getHostName());
    }
}
```

- a. cdac
- b. cdac.in
- c. www.cdac.in
- d. None of the above

Q.No.8

How can we get a session object in Hibernate?

- a. SessionFactory.open();
- b. SessionFactory.getSession();
- c. SessionFactory.openSession();
- d. Session.getSession();

Q.No.9

Which method of DriverManager class is used to establish a connection to the given database url?

- a. setConnection(String url, String user, String password)
- b. connect(String url, String user, String password)
- c. getConnection(String url, String user, String password)
- d. setConnection(String url)

Q.No.10

What is the location of any external JARs used in an application to store in any WAR file?

- a. /jars/
- b. /WAR-INF/jars/
- c. /WEB-INF/jars/
- d. /WEB-INF/lib/

Q.No. 11

Which of the below statement is true about request.getSession(false)?

- a. If session exists, returns the current session associated with the request else creates new session object.
- b. If session exists or not, always returns the new session.
- c. If session exists, returns the current session associated with the request else returns null.
- d. None of Above.

Q.No.12

Which of the following JSTL Tag is used to iterate over a collection of objects?

- a. <c:iterate>
- b. <c:for>
- c. <c:forEach>
- d. <c:loop>

Q.No.13

Which of the following is a valid statement?

- a. <jsp:getProperty id="firstbean" name="firstproperty" />
- b. <jsp:getProperty name="firstbean" property="firstproperty" />
- c. <jsp:getProperty name="firstbean" value="firstproperty" />
- d. None of the above

Q.No.14

Which of the following methods can be used to access the session-scoped attribute?

- a. Object getAttribute(String) in HttpSession
- b. String getAttribute(String) in HttpSession
- c. void getAttribute(String) in HttpSession
- d. String getAttribute(Object) in HttpSession

**Q.No.15**

Which is the JSP implicit object of type ServletContext used for getting context information and attributes?

- a. context
- b. pageContext
- c. config
- d. application

**Q.No.16**

Java Beans are usual Java classes which

- a. Implements java.io.Serializable interface
- b. Provides no argument constructor
- c. Provides getter and setter methods for accessing it's properties.
- d. All of the above

**Q.No.17**

Which of the following imports java.util package into the current JSP Page?

- a. <%@ import="java.util" %>
- b. <%@ page import="java.util" %>
- c. <%@ import="java.util.\*" %>
- d. <%@ page import="java.util.\*" %>

**Q.No.18**

Which of the following statements is the correct notation for declaring tag library identified by the following tag URI <http://java.sun.com/jsp/jstl/xml> with the namespace prefix 'x'.

- a. <%@ taglib uri="<http://java.sun.com/jsp/jstl/xml>" prefix="x" %>
- b. <%@ page taglib-uri="<http://java.sun.com/jsp/jstl/xml>" namespace-prefix="x" %>
- c. <%@ page taglib-uri="<http://java.sun.com/jsp/jstl/xml>" taglib-prefix="x" %>
- d. <%@ taglib-uri="<http://java.sun.com/jsp/jstl/xml>" taglib-prefix="x" %>

**Q.No.19**

Which of the following constructor is not possible with respect to Locale Class?

- a. Locale(String language)
- b. Locale(String country)
- c. Locale(String language, String country)
- d. Locale(String language, String country, String variant)

Q.No. 20

Which is the superclass of all exceptions in the JNDI?

- a. JNDIException
- b. NamingException
- c. ContextException
- d. AuthenticationException

Q.No.21

Which of the following design patterns does not belong to Creational Patterns?

- a. Builder
- b. Observer
- c. Singleton
- d. Abstract Factory

Q.No.22

When a change to one object requires changing others, then in that scenario which of the following Design Pattern is used?

- a. State
- b. Observer
- c. Mediator
- d. None of the above

Q.No.23

Which of the following is not true with respect to Cookies?

- a. Cookies are one of the solutions for session tracking.
- b. Cookies are generated at the Client Side.
- c. Cookies carry small pieces of information.
- d. None of the Above.

Q.No.24 : What is the full form of JNDI?

- a. Java Network and Directory Implementation
- b. Java Name Directory Interface
- c. Java Network Directory Interface
- d. Java Naming and Directory Interface

Q.No. 25

Which of the following is a valid annotation definition?

- a. `private @interface MyFirstAnnotation{ }`
- b. `public @interface MyFirstAnnotation{ }`
- c. `public @annotation MyFirstAnnotation{ }`
- d. `public @MyFirstAnnotation{ }`

Q.No.26

Which of the following annotations is not a built-in annotation?

- a. @FunctionalInterface
- b. @ThreadSafe
- c. @Override
- d. @Native

Q.No. 27

Which statement is correct for container-managed transactions, if the value of Transaction Timeout field is set to 0?

- a. Transaction will not start.
- b. Transaction will never time out.
- c. If the transaction has not completed within 10 seconds, the container rolls it back.
- d. Transaction will automatically close after 10 seconds.

Q.No. 28

What does session.evict() method do?

- a. remove the object and its collections from the first level cache
- b. remove the object and its collections from the second level cache
- c. remove the object and its collections from the data base
- d. None of the above

Q.No.29

Which of these tags converts a control's value into a number?

- a. f:convertNumber
- b. f:Number
- c. f:convertInteger
- d. f:Integer

Q.No. 30

Which of the following caching mechanism is supported by Hibernate?

- a. Entity Caching
- b. Collections Caching
- c. Query Caching
- d. All of Above



Q.No.31

Which of the following will handle all request and response in Spring MVC Framework?

- a. org.springframework.web.servlet.DispatcherServlet
- b. org.springframework.context.ApplicationContext
- c. org.springframework.web.context.WebApplicationContext
- d. org.springframework.web.servlet.HttpServlet

Q.No.32

In springs, which of the following annotation will be used to bind a method parameter to the body of web request?

- a. @RequestBody
- b. @RequestParam
- c. @RequestMapping
- d. @Request

Q.No.33

\_\_\_\_\_ is not a module in the Spring architecture.

- a. Spring AOP
- b. Spring ORM
- c. Spring APO
- d. Spring DAO

Q.No. 34

What do you understand by interceptors in Struts 2?

- a. Interceptors are invoked before and after the Action is executed to achieve the features like validation, file upload, exception handling and many more.
- b. Interceptors are the major point of control which used to dispatch request execution to given actions.
- c. Interceptors are used to integrate the struts 2 application with other frameworks like hibernate, spring etc.
- d. All of above.

Q.No. 35

Which Facelets core tag is used to validate string length to a particular range?

- a. <f:validateLength minimum = "Integer value" maximum = "Integer value" />
- b. <f:validateLength min = "Integer value" max = "Integer value" />
- c. <f:validateString minimum = "Integer value" maximum = "Integer value" />
- d. <f:validateString min = "Integer value" max = "Integer value" />

Q.No.36

Which annotation is used for mapping URL with Controller in Spring Framework?

- a. @Mapping
- b. @Controller
- c. @URL
- d. @RequestMapping

Q.No. 37

Which of the below module does not comes under the Core Container in Spring 3?

- a. Beans
- b. Core
- c. Context
- d. AOP

Q.No.38

How around advice works?

- a. Run advice before and after 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.

Q.No. 39

What is Advice in the Spring Aspect-Oriented Programming (AOP)?

- a. Advice is an action taken by an aspect at a particular join point.
- b. Declaring additional methods or fields a particular join point is called Advice.
- c. Linking aspects with other application types or objects is known as Advice.
- d. Advice is an execution of a program matched by the pointcut.

Q.No.40

What is true about interoperability in web service?

- a. Various applications can talk and share data and services among themselves.
- b. Other applications can also use the web services.
- c. Web services are used to make the application platform and technology independent.
- d. All of the above.