**What is the correct signature of \_jspService() method of HttpJspPage class?**

A - void \_jspService(HTTPRequest request, HTTPResponse response)

B - void \_jspService(HTTPRequest request, HTTPResponse response) throws ServletException, IOException

C - void \_jspService()

D - void \_jspService() throws ServletException, IOException

**Which of the following attributes are mandatory in <jsp:getProperty /> tag?**

A - name, property

B - type, id

C - name, type

D - id, property

**Which of the following is true about page scope?**

A - Object created with request scope are accessible only from the page in which they are created.

B - Object created with request scope are accessible only from the pages which are in same session.

C - Object created with request scope are accessible only from the pages which are processing the same request.

D - Object created with request scope are accessible only from the pages which reside in same application.

**Which of the following method can be used to read a form parameter in JSP?**

A - request.getParameter()

B - response.getParameter()

C - request.getValue()

D - response.getValue()

**Which of the following is true about isELIgnored Attribute?**

A - The isELIgnored option gives you the ability to disable the evaluation of scriplets.

B - The isELIgnored option gives you the ability to disable the evaluation of java code in jsp.

C - The isELIgnored option gives you the ability to disable the evaluation of Expression Language (EL) expressions.

D - None of the above.

**Which of the following is true about include directive?**

A - The include directive is used to include a file during the translation phase.

B - include directive tells the container to merge the content of other external files with the current JSP during the translation phase.

C - Both of the above.

D - None of the above.

**Which of the following is true about Cleanup phase in JSP life cycle?**

A - The destruction phase of the JSP life cycle represents when a JSP is being removed from use by a container.

B - The jspDestroy() method is the JSP equivalent of the destroy method for servlets.

C - Both of the above.

D - None of the above.

**Which of the following is true about <c:forEach > tag?**

A - The <c:forEach > exists as a good alternative to embedding a Java for, while, or do-while loop via a scriptlet.

B - The <c:forEach > is used to iterate over a list of items in jsp.

C - Both of the above.

D - None of the above.

**What technique is used for the authentication mechanism in the servlet specification?**

a. Role Based Authentication

b. Form Based Authentication

c. Both A & B

d. None of the above

**Which attribute specifies a JSP page that should process any exceptions thrown but not caught in the current page?**

a. The ErrorPage Attribute

b. The IsErrorPage Attribute

c. Both A & B

d. None of the above

**In JSP Action tags which tags are used for bean development?**

a. jsp:useBean

b. jsp:setPoperty

c. jsp:getProperty

d. All mentioned above

**Which two interfaces does the javax.servlet.jsp package have?**

a. JspPage

b. HttpJspPage

c. JspWriter

d. PageContext

e. Both A & B

**How many jsp implicit objects are there and these objects are created by the web container that are available to all the jsp pages?**

a. 8

b. 9

c. 10

d. 7

**Which action tags are used in JSP for developing web application with Java Bean?**

a. jsp:useBean

b. jsp:setProperty

c. jsp:getProperty

d. Both B & C

**Which JSP Action tags is used to include the content of another resource, it may be jsp, html or servlet?**

a. jsp:include

b. jsp:forward

c. jsp:plugin

d. jsp:papam

**In JSP page directive which attribute defines the MIME(Multipurpose Internet Mail Extension) type of the HTTP response?**

a. import

b. Content Type

c. Extends

d. Info

**Which packages does a JSP API consist of?**

a. javax.servlet.jsp

b. java.servlet

c. javax.servlet.jsp.tagext

d. Both A & C

**Which method in JSP is used to perform cleanup ?**

|  |  |
| --- | --- |
| **A.** jspDestroy() | **B.** destroy() |
| **C.** \_jspDestroy() | **D.** jsp\_Destroy() |

**Which JSP life cycle is in correct order?**

A. Translation -> Initializing -> Request Processing -> Destroying

B. Translation -> Request Processing -> Initializing -> Destroying

**Which of the following is syntax of Declaration Tag?**

A. <@ Declaration @>

B. <% Declaration %>

C. <& Declaration &>

D. <%! Declaration %>

**Which is an example of the syntax used to import a class to JSP?**

A. <% page import="java.util.List" %>

B. <%@ page import="java.util.List" @%>

C. <% import="java.util.List" %>

D. <%@ page import="java.util.List" %>

**isErrorPage attribute of Page Directive declares whether the current page represent other JSP's page error?**

A. True

B. False

**Given: <%@ page isThreadsafe="true" %> What is the effect?**

A. Nothing, this page directive is NOT defined.

B. JSP containing this directive should not have any Expression Language Code.

C. JSP containing this directive should be treated as well-formed xml file.

D. This directive indicate that JSP is Thread Safe.

**Which of the following is syntax of Expression Tag?**

A. <% Expression %>

B. <%= Expression %>

C. <& Expression &>

D. <%! Expression %>

**An \_\_\_\_\_\_\_\_\_\_\_ tag can hold any Java language expression that can be used as an argument to out.println() method?**

A. Expression tag

B. Declaration Tag/label>

C. Directive Tag

D. Scriplet Tag

**Never end an expression with semicolon inside Expression Tag?**

A. True

B. False

**Which implicit object of JSP is equivalent to this variable of Java programming language?**

A. page

B. pageContext

C. config

D. application

**Which implicit object is only available to a JSP page which is designated as error pages?**

A. application

B. Throwable

C. runnable

D. exception

**Which is not a valid JSP Implicit Object?**

A. context

B. pageContext

C. exception

D. application

**Which directive tells the Web Container to copy everything in the included file and paste it into current JSP file?**

A. taglib

B. Page

C. include

D. none of the above

**Which of the following tag is used to declare error pages in the Deployment Descriptor for the entire Web Application?**

A. <error>

B. <page>

C. <errorPage>

D. <error-page>

**Choose the correct syntax of include directive?**

A. <%@ include page="file.jsp" %>

B. <% include file="file.jsp" %>

C. <%@ include file="file.jsp" %>

D. <%! include page="file.jsp" %>

**The \_\_\_\_\_\_\_\_\_\_\_\_ attribute in Taglib directive is used to distinguish the custom tag from other library custom tag.**

A. Page

B. Prefix

C. URI

D. URL

**Which of the following Standard action code dispatch the request to another JSP Pages?**

A. <jsp:forward page="view.jsp"/>

B. <jsp:forward file="view.jsp"/>

C. <jsp:dispatch page="view.jsp"/>

D. <jsp:dispatch file="view.jsp"/>

**Which JSP Standard action tag can be used to import an image file into the JSP page?**

A. <jsp:image page="logo.jpg"/>

B. <jsp:include page="logo.jpg"/>

C. <jsp:image file="logo.jpg"/>

D. This cannot be done using a JSP standard action.

**Which statement is true about the < jsp:useBean> standard action?**

A. The id attribute is optional.

B. The scope attribute is optional and defaults to request.

C. The scope attribute is required.

D. Either the class or type attributes may be specified, but at least one.

**Assuming no instances of TheBean have been created yet, which JSP standard action statements create a new instance of this bean and store it in the request scope?**

public class **TheBean** {

private String *name*;

public String **getName**() { return *name*; }

public void **setValue**(String n){ *name* = n; }

}

A. <jsp:useBean name="myBean"/>

B. <jsp:makeBean name="myBean"/>

C. <jsp:useBean id="myBean" class="TheBean"/>

D. <jsp:makeBean id="myBean" class="TheBean"/>

**Which Standard tag is used store data in the JavaBeans instance?**

A. <jsp:useBean>

B. <jsp:setBean>

C. <jsp:set>

D. <jsp:setProperty>

**Which Standard tag adds parameter to the request?**

A. <jsp:param>

B. <jsp:addParam>

C. <jsp:params>

D. <jsp:add>

**Which statement is not true about the JavaBean Component?**

A. JavaBeans is a Java class with no-argument constructor.

B. JavaBeans is a Java class that must implements the Serializable interface.

C. JavaBeans is a Java class that must not define any public Properties.

D. Properties of JavaBeans must not be defined with getter and setter method.

**Which Standard tag is used to define XML elements dynamically?**

A. <jsp:xmlElement>

B. <jsp:element>

C. <jsp:XML>

D. <jsp:elements>

**To retrieve a property from a JavaBeans instance. Which JSP Standard action tag can be used?**

A. <jsp:get>

B. <jsp:getProperty>

C. <jsp:getVariable>

D. None of the above

**What will be output of the JSP code?**

${101 % 10}

A. 1

B. 10

C. 1001

D. 101 % 10

**Which will be output of following code when the query string is firstname=John&lastname=Doe?**

${param.firstname}

${param.middlename}

${param.lastname}

${paramValues.lastname[0]}

A. John Doe

B. John Doe Doe

C. John null Doe

D.John null doe doe

**Which of the following statement about EL access operators is true?**

A. Anywhere the .(dot) operator is used, the [] could be used instead.

B. Anywhere the [] operator is used, the .(dot) could be instead.

C. If the .(dot) operator is used to acess a bean property but the property doesnot exist, then a runtime exception is thrown.

D. There are some situations where the .(dot) operator must be used and other situations where the [] operator must be used.

**Which is true about TLD files?**

A. TLD files may be placed in any subdirectory of WEB-INF.

B. TLD files are used to configure JSP environment attributes, such as scripting-invalid.

C. TLD files may be placed in the META-INF directory of the WAR file.

D. TLD files can declare both Simple and Classic tags, but TLD files are NOT used to declare Tag files.

**Assuming the standard JSTL prefix conventions are used, which JSTL tags would you use to iterate over a collection of objects?**

A. <x:forEach>

B. <c:iterate>

C. <c:forEach>

D. <c:forTokens>

**Assuming the appropriate taglib directives, which is not valid examples of custom tag usage?**

A. <foo:bar/>

B. <my:tag> </my:tag>

C. <mytag value="x" />

D. <c:out value="x" />

**Which of the following is not a valid implicit object in EL?**

A. header

B. headerValues

C. params

D. paramValues

**Which Custom tag is used to dynamically add the contents from the provided URL to the current page at request time?**

A. <c:import>

B. <c:include>

C. <c:content>

D. None of the above

**Which JSTL provide supports for string manipulation?**

A. JSTL String

B. JSTL Function

C. JSTL XML

D. JSTL Formatting

**JSTL catch tag is used to handle exception and forward the page to the error page.**

A. True

B False

**Which of the package is used to enable interaction with garbage collector?**

a. java.lang.ref

b. java.lang.reflect

c. java.lang

d. java.awt

**The clone() method is defined in?**

a. Abstract class

b. Object Class

c. ArrayList class

d. None of the above

**java.applet defines how many interfaces?**

a. 2

b. 3

c. 4

d. 5

**The wrapper classes are part of the which package, that is imported by default into all Java programs?**

a. java.lang

b. java.awt

c. java.io

d. java.util

**In InetAddress class which method returns the host name of the IP Address?**

a. public String getHostName()

b. public String getHostAddress()

c. public static InetAddress getLocalHost()

d. None of the above

**In XML document comments are given as?**

a. < !-- --!>

b. < !-- ?

c. < /-- -->

d. < ?-- ?

**Which of the following ways specify/ies to load the class files in temporary?**

a. By setting the classpath in the command prompt

b. By classpath switch

c. Both A & B

d. None of the above

**If the superclass method does not declare an exception, subclass overridden method cannot declare the checked exception but it can declare unchecked exception.**

a. True

b. False

**Which packages does a JSP API consist of?**

a. javax.servlet.jsp

b. java.servlet

c. javax.servlet.jsp.tagext

d. Both A & C

**AWT is used for GUI programming in java**

a. True

b. False

**Which class can access all public and protected methods and fields of its super class?**

Inner class

outer class

sub-class

Super class

**Method, Field can be accessed from the same class to which they belong.**

Public

Protected

Default

Private

**In java, float takes \_\_\_\_\_\_\_\_\_ bytes in memory**.

8

4

2

16

**What will be the output of following piece of code? ? public class operatorExample { public static void main(String args[]) { int x=4; System.out.println(x++); } }**

output=0

output=6

output=5

output=4

**Can variables be used in Java without initialization?**

NO

YES

**Can a class in java be inherited from more than one class?**

YES

NO

**What will be the output of Round(3.7).**

4

3.7

3

0

**Does Java supports goto?**

NO

YES

**In JAVA can a dead thread be started again?**

YES

NO

**Is it possible to define a method in Java class but provide its implementation in the code of another language like C?**

NO

YES

**Can a variable be local and static at the same time?**

NO

YES

**Can we have any other return type than void for main method in java class?**

YES

NO

**Which method of the Runnable interface that must be implemented by all threads?**

Run()

Start()

Sleep()

Wait()

**Which Keyword is used if a class has multiple constructors defined, it’s possible to call a constructor from another constructor’s body?**

super()

constant()

this()

**Can we compare string and stringBuffer in Java?**

YES

NO

**Can we cast any other type to boolean type with type casting?**

YES

NO

**Base class for all exceptions**

Java.throwable

Java.Lang.throwable

Java.Lang.Exception

Java.Lang.throwables

**Environment variable that stores the location of bin folder**

PATH

CLASSPATH

PATHS

BIN

**Action servlet, request processor and action classes are the components of**

Model

View

Controller

Object

**Which module is not used in spring?**

MVC module

DAO module

Application module

Web module

**What is default scope in Spring?**

Singleton

Production

Doubleton

Application

**Without new keyword, how can we create objects for a class?**

getObject()

getInstances()

getInstance()

getChild()

**Which statement gives you the version of MySQL?**

SELECT VERSION ();

SELECT VER();

SELECT VERSIONS ();

SELECT VERS();

**Select the MySQL variable to control size of HEAP Table?**

max\_heap\_size

max\_heap\_tables\_size

max\_heap\_table\_size

max\_heap\_tables\_sizes

**select a correct REGEXP operator?**

$ and &

^ and %.

% and &

**select a correct option for use in Heap Table?**

Indexes should be NOT NULL

index should be null

Option 1 and 2

none

**Full form of ACL in MYSQL?**

Accent Controll Layout.

Access Controll layout

Access Content List

Access Control List

**How many columns can be used for creating Index?**

16

8

4

18

**Number of bytes in Double Datatype**

8

18

4

16

**In below option which fields are not allowed in Heap Tables?**

char or varchar

Double or Float

BLOB or TEXT

INT

**Which object are created using CREATE statement in MySQL?**

Database

Class

Row

Object

**Is Mysql query has LETTERCASE?**

YES

NO

Multithreading MCQ:

Which of these are types of multitasking?

a) Process based

b) Thread based

c) Process and Thread based

d) None of the mentioned

Which of these packages contain all the Java’s built in exceptions?

a) java.io

b) java.util

c) java.lang

d) java.net

Thread priority in Java is?

a) Integer

b) Float

c) double

d) long

What will happen if two thread of same priority are called to be processed simultaneously?

a) Any one will be executed first lexographically

b) Both of them will be executed simultaneously

c) None of them will be executed

d) It is dependent on the operating system.

Which of these statements is incorrect?

a) By multithreading CPU’s idle time is minimized, and we can take maximum use of it.

b) By multitasking CPU’s idle time is minimized, and we can take maximum use of it.

c) Two thread in Java can have same priority

d) A thread can exist only in two states, running and blocked.

What is the output of this program?

1. **class** multithreaded\_programing {
2. **public** **static** **void** main(String args[]) {
3. Thread t = Thread.currentThread();
4. System.out.println(t);
5. }
6. }

a) Thread[5,main]

b) Thread[main,5]

c) Thread[main,0]

d) Thread[main,5,main]

What is the priority of the thread in output of this program?

1. **class** multithreaded\_programing {
2. **public** **static** **void** main(String args[]) {
3. Thread t = Thread.currentThread();
4. System.out.println(t);
5. }
6. }

a) 4

b) 5

c) 0

d) 1

What is the name of the thread in output of this program?

1. **class** multithreaded\_programing {
2. **public** **static** **void** main(String args[]) {
3. Thread t = Thread.currentThread();
4. System.out.println(t.isAlive());
5. }
6. }

a) 0

b) 1

c) true

d) false

Which of these method can be used to make the main thread to be executed last among all the threads?

A. stop()

B. sleep()

C. join()

D. call()

What is the default value of priority variable MIN\_PRIORITY AND MAX\_PRIORITY?

A. 0 & 256

B. 0 & 1

C. 1 & 10

D. 1 & 256

Which of these method waits for the thread to terminate?

A. sleep()

B. isAlive()

C. join()

D. stop()

Number of threads in below java program is

|  |
| --- |
| public class ThreadExtended extends Thread {    public void run() {  System.out.println("\nThread is running now\n");  }    public static void main(String[] args) {    ThreadExtended threadE = new ThreadExtended();    threadE.start();  }  } |

1. 0
2. 1
3. 2 //Main is also a thread and the one thread created by prgm
4. 3

Execution of a java thread begins on which method call?

1. Start () //Start creates thread then Run is called
2. Run ()
3. Execute ()
4. Launch ()

Which method is used to make main thread to wait for all child threads

Join ()

Sleep ()

Wait ()

Stop ()

Default value of a java thread is

1. 0
2. 1
3. 5 //5 is default priority 1 is min 10 is max
4. 10

If a priority of a java thread is 3 then the default priority of its child thread will be

1. 0
2. 1
3. 5
4. 3 //Same as parent

Daemon thread runs in

1. Background
2. Foreground
3. Both
4. None

To create a daemon thread

1. First thread setDaemon() is called then start()
2. First thread start() is called then setDaemon()
3. Call thread start() and setDaemon() in any order
4. All correct

Which method is used to wait for child threads to finish in Java?

1. Wait ()
2. Sleep ()
3. Join ()
4. isAlive()

Where an object of a class get stored?

1. Heap
2. Stack
3. Disk
4. File

Which of these method of Thread class is used to find out the priority given to a thread?

A. get()

B. ThreadPriority()

C. getPriority()

D. getThreadPriority()

Guess the Output?

|  |  |
| --- | --- |
| **public** **class** Test **implements** Runnable {    **public** **void** run(){  System.***out***.print("go");  }    **public** **static** **void** main(String[] args) {  Thread t = **new** Thread(**new** Test());  t.run();  t.run();  t.start();  }  } | **gogogo** |

|  |  |
| --- | --- |
| **public** **static** **void** main(String[] args) **throws** InterruptedException{  Thread a = **new** Thread(**new** Test());  a.start();  System.***out***.print("Begin");  a.join();  System.***out***.print("End");  }  **public** **void** run(){  System.***out***.print("Run");  } | BeginRunEnd |

|  |  |
| --- | --- |
| **public** **class** Test **extends** Thread {  **public** **static** **void** main(String argv[]){  Test t = **new** Test();  t.run();  }  **public** **void** start(){  **for**(**int** i = 0; i < 10; i++){  System.***out***.println("Value of i="+i);  }  }  } | Clean Compile but no output |