



Virtual University

About Us

CS506  
Solved Final Term Paper 5

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Year  
2017

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[WWW.VirtualAcademyLive.com](http://WWW.VirtualAcademyLive.com)

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the Name of Allāh, the Most Gracious, the Most Merciful

### Paper Pattern

MCQS 40 each 1 mark  
Short 4 each 2 marks  
Short 4 each 3 marks  
long 4 each 5 marks

Question No : 1 of 52	Marks: 1 (Budgeted Time 1 Min)
DSN stands for _____.	
Answer ( Please select your correct option )	
<input type="radio"/> Domain System Name	<a href="http://WWW.VirtualAcademyLive.com">WWW.VirtualAcademyLive.com</a>
<input checked="" type="radio"/> Data Source Name	
<input type="radio"/> Database System Name	
<input type="radio"/> Database Simple Name	
Made by: Waqar Siddhu	
Question No : 2 of 52	Marks: 1 (Budgeted Time 1 Min)
Declaration tag is used to declare variables and methods at _____ level.	
Answer ( Please select your correct option )	
<input checked="" type="radio"/> Class	<a href="http://WWW.VirtualAcademyLive.com">WWW.VirtualAcademyLive.com</a>
<input type="radio"/> Program	
<input type="radio"/> Package	
<input type="radio"/> Global	
Made by: Waqar Siddhu	



Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

JSP \_\_\_\_\_ action element is used to obtain a reference to an existing JavaBean object.

Answer ( Please select your correct option )

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☒ useBean

☐ setProperty

☐ getProperty

☐ None of these

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Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

Which information a Tag Library Descriptor (.tld) file specifies?

Answer ( Please select your correct option )

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☐ Tag library version / JSP version

☐ Tag name / Tag Handler class name

☐ Attribute names

☒ All of these

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Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

The bracket operator in Expression Language is generally used to retrieve -----of arrays and collections.

Answer ( Please select your correct option )

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☐ Properties

☒ Elements

☐ Values

☐ Attributes

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Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ is a standard web based application framework.

Answer ( Please select your correct option )

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☐ Java

☐ Servlet

☐ JSP

☒ JSF

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Question No : 7 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following component is/are used in directory Structure of web components?

Answer ( Please select your correct option )

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☐ html, JSP, Images etc..

☒ web.xml, Classes folder

☐ lib, jar files

☐ All of the given options

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Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following is not a request dispatching method?

both are request  
dispatching  
method

Answer ( Please select your correct option )

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☐ forward()

☐ include()

☐ Both forward() and include()

☒ None of the given options

Made by: Waqar Siddhu



Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not provided in standard java class?

Answer ( Please select your correct option )

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- ☐ Constructor
- ☐ Instance variables
- ☐ Methods
- ☒ Destructor

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Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not included in simple tag while creating JSP custom tags?

Answer ( Please select your correct option )

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- ☐ Start of tag
- ☐ End of tag
- ☒ Attributes
- ☐ None of the given options

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Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a built-in validator?

Answer ( Please select your correct option )

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- ☐ DoubleRangeValidator
- ☐ LongRangeValidator
- ☐ LengthValidator
- ☒ StringValidator

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Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is the correct syntax to create ResultSetMetaData object?

Answer ( Please select your correct option )

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- ☐ ResultSetMetaData rsmd = con.getMetaData(); // where con is Connection object
- ☒ ResultSetMetaData rsmd = rs.getMetaData(); // where rs is ResultSet object
- ☐ ResultSetMetaData rsmd = stmt.getMetaData(); // where stmt is Statement object
- ☐ ResultSetMetaData rsmd = pstmt.getMetaData(); // where pstmt is PreparedStatement object

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Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is TRUE regarding pack directory structure of J2EE web application?

Answer ( Please select your correct option )

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- ☐ All of the given options
- ☐ Pack directory structure is mostly used during development of application. 
- ☒ Pack directory structure is used to deploy web application. 
- ☐ Within pack directory structure, each directory and file exists in file system separately.

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Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

Servlet mapping of a servlet is defined in \_\_\_\_\_ file.

Answer ( Please select your correct option )

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- ☐ JSP
- ☐ HTML
- ☒ web.xml
- ☐ Servlet

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Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is NOT the method of HttpServletResponse?

?

**HttpServletResponse Methods**

Let's discuss some methods of HttpServletResponse class

**setContentType()**

Almost every Servlet uses this header Content Type that the PrintWriter is going to use. Usually we set *"text/html"*, when we want to send text output or generate HTML tags on the client's browser.

**setContentLength()**

This method is used to set the content length. It takes length as an integer parameter.

**addCookie()**

This method is used to add a value to the Set-Cookie header. It takes a Cookie object as a parameter and adds it to the Cookie-header. We will talk more about Cookies in the session tracking part.

**sendRedirect()**

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Answer ( Please select your correct option )

☐ getMethod()☐ getProtocol()☐ setAttribute(String, Object)☐ setContentType()

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Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

By using sendRedirect() method of \_\_\_\_\_ object, a new request is generated which redirects the user to called resource.

Answer ( Please select your correct option )

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☐ ServletConfig☒ ServletContext☐ HttpServletRequest☐ HttpServletResponse

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Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is a valid constructor for a class named VU?

Answer ( Please select your correct option )

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☐ public VU VU(){  
}☒ public void VU(){  
}

not sure

☐ public VU(){  
}☐ public void VU(int v){  
}

Made by: Waqar Siddhu



Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

JVM assigns CPU to the threads based on \_\_\_\_\_

Answer ( Please select your correct option )

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☒ Thread priorities

☐ System priorities

☐ Collective priorities

☐ None of the given options

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

Web server is a software which provides services to access \_\_\_\_\_

Answer ( Please select your correct option )

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☐ Internet

☐ Intranet

☐ Extranet

☒ All of the given options

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Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

In which file do we define a servlet mapping?

Answer ( Please select your correct option )

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☒ Web.xml

☐ index.html

☐ Servlet.xml

☐ None of the given options

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Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

Initialization \_\_\_\_\_ of web application are also called \_\_\_\_\_

Answer ( Please select your correct option )

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☒ Parameters, context attributes

☐ Context attributes, parameters

☐ Parameters, Variables

☐ Context attributes, variables

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Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

The \_\_\_\_\_ object contains the information relevant to a servlet.

Answer ( Please select your correct option )

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☒ ServletConfig

☐ ServletInfo

☐ ConfigInfo

☐ ServletConfigInfo

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Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following is appropriate for Page-with-Bean approach?

Answer ( Please select your correct option )

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☐ The code becomes a mixture of presentation, business and data access logic.

☐ The maintenance of the application becomes a nightmare.

☐ A lot of code is also get duplicated.

☒ All the business logic goes into one application.

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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

-----can be used to specify dynamic attribute values for JSTL actions without using full-blown programming language.

Answer ( Please select your correct option )

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☒ Expression Language

☐ Request Time

☐ Both Expression Language and Request Time

☐ None of the given options

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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Mouse events can be trapped for \_\_\_\_\_ GUI component.

Answer ( Please select your correct option )

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☐ JFrame

☐ JPanel

☐ JButton

☒ All of the given options

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Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

The "transient" keyword is used to \_\_\_\_\_ serialization.

transient keyword is used to mark a field that should not be serialized

Answer ( Please select your correct option )

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☐ prevent

☐ allow

☐ avoid

☒ none of the given options

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

Which object would you use to share user specific information between JSPs?

Answer ( Please select your correct option )

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- ☐ Request
- ☐ Response
- ☐ Session
- ☐ All of the given options

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

Controller centralizes the logic for dispatching requests to the next view based on \_\_\_\_\_.

Answer ( Please select your correct option )

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- ☐ The Request URL
- ☐ Input Parameters
- ☐ Application State
- ☒ All of the given options

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Tiers represent the \_\_\_\_\_ view of application.

Answer ( Please select your correct option )

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- ☒ Physical
- ☐ Logical
- ☐ External
- ☐ None of the given options

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Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

UDDI stands for

Answer ( Please select your correct option )

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☒ Universal Description, Discovery & Integration (UDDI)

☐ Universal Data, Discovery & Integration (UDDI)

☐ Universal Data, Database & Integration (UDDI)

☐ None of the given options

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Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following stream will be directly connected with keyboard?

Answer ( Please select your correct option )

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☐ Character stream

☐ Byte stream

☒ Node stream

☐ Filter stream

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Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

Identify those classes that are not GUI based.

Answer ( Please select your correct option )

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☐ Button classes

☐ Frame classes

☒ Vector classes

☐ RadioButton classes

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Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following method we should override while painting?

Answer ( Please select your correct option )

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- ☐ paintBorder()
- ☐ paint()
- ☐ paintChildren ()
- ☒ paintComponent()

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Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

What is not true about server socket.

Answer ( Please select your correct option )

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- ☒ It listens client's requests.
- ☐ It communicates with client.
- ☐ It is special socket.
- ☐ It runs on server machine.

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Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

How many folders are there in Jakarta Tomcat?

Answer ( Please select your correct option )

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- ☐ No folder
- ☐ 3
- ☒ 7
- ☐ 9

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Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

In which of the following format does the key in request Dispatching is stored?

Answer ( Please select your correct option )

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☐ Integer

☐ Double

☒ String

☐ Char

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Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

What is not true about cookies?

t.

Answer ( Please select your correct option )

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☐ Their size is about 4906.

☐ They are maintained as value-pair.

☒ Stored at server side.

☐ They are small tex

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Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following object has built in hash map?

Answer ( Please select your correct option )

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☒ session

☐ cookies

☐ hidden fields

☐ Url encoding

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Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following provides global control of JSP?

Answer ( Please select your correct option )

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☐ <%! %>

☒ <%@ %>

☐ <% %>

☐ <%= %>

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Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following are not the attributes of page directive?

Answer ( Please select your correct option )

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☐ import = "package. \*,package. class,..."

☐ errorPage = "relativeURL".

☒ file="relativeURL".

☐ extends = "package. class".

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Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

What is the purpose of try block in java program?

Answer ( Please [click here](#) to Add Answer )

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Normal Arial 12 B I U

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Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

How do we know which methods does web service provide?

Answer ( [Please click here to Add Answer](#) )

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Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

See the code given below and convert scriptlet tag to equivalent jsp useBean action element. Consider StudentBean class is in package academic.

```
<%  
StudentBean bean = new StudentBean();  
%>
```

Answer ( [Please click here to Add Answer](#) )

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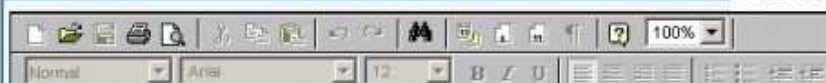
Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

Why do we use Session Tracking in HttpServlet?

Answer ( [Please click here to Add Answer](#) )

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Question No : 45 of 52

Marks: 3 (Budgeted Time 6 Min)

In term of coding event handling is three steps process. Writes these steps in correct order.

Answer ( [Please click here to Add Answer](#) )

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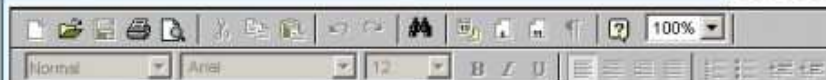
Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

Make three hidden fields for name, id and marks with any values you want?

Answer ( [Please click here to Add Answer](#) )

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Question No : 47 of 52

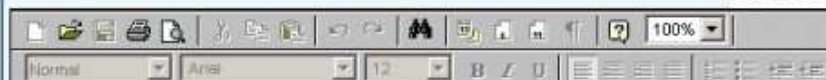
Marks: 3 (Budgeted Time 6 Min)

The code given below is an ordinary java class. Convert it from ordinary java class to java bean class.

```
public class StudentBean {  
    String email;  
    String address;
```

Answer ( [Please click here to Add Answer](#) )

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Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

```
// zero argument constructor
public StudentBean(){
    email = "";
    address = "";
}
// standard setter
```

Answer ( [Please click here to Add Answer](#) )

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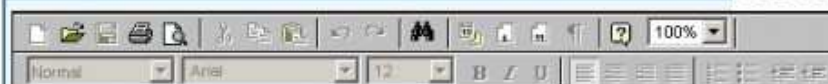
Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

```
}
// standard setter
public void setEmail(String n) {
    email = n;
}
// standard getter
```

Answer ( [Please click here to Add Answer](#) )

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Question No : 47 of 52

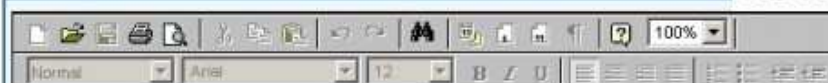
Marks: 3 (Budgeted Time 6 Min)

```
public String getEmail() {
    return email;
}

// standard setter
public void setAddress(String n) {
```

Answer ( [Please click here to Add Answer](#) )

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Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

```
public void setAddress(String n) {  
    address = n;  
}  
// standard getter  
public String getAddress() {  
    return address;  
}
```

Answer ( [Please click here to Add Answer](#) )

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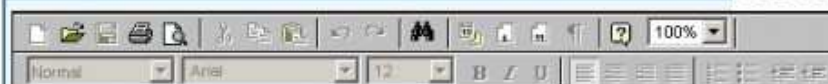
Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

```
}  
// standard getter  
public String getAddress() {  
    return address;  
}  
} //end class
```

Answer ( [Please click here to Add Answer](#) )

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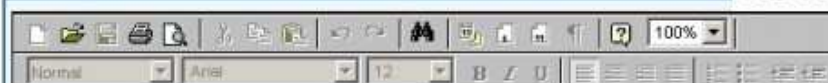
Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

In which situation we can use Expression Language?

Answer ( [Please click here to Add Answer](#) )

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Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Write the names of any five event listener interfaces which are sub interfaces of java.util.EventListener interface.

Answer ( [Please click here to Add Answer](#) )

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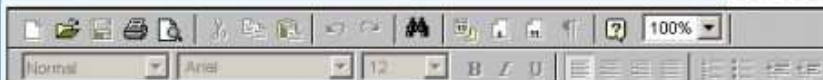
Question No : 50 of 52

Marks: 5 (Budgeted Time 10 Min)

What is the difference between service () method of generic servlet and http servlet? Explain complete sequence of request forwarding.

Answer ( [Please click here to Add Answer](#) )

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Question No : 51 of 52

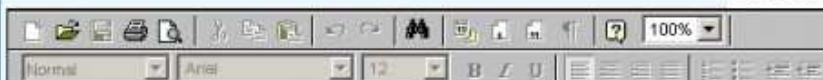
Marks: 5 (Budgeted Time 10 Min)

Implement the following code using JSTL tags:

```
<%  
ArrayList students = (ArrayList)request.getAttribute("sList");  
for(int i=0; i<students.size(); i++)  
{  
    StudentInfo s = (StudentInfo)students.get(i);
```

Answer ( [Please click here to Add Answer](#) )

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Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

```
String name = s.getName();  
%%>  
<%= name %>  
<%%  
) // end for  
%%>
```

Answer ( [Please click here to Add Answer](#) )

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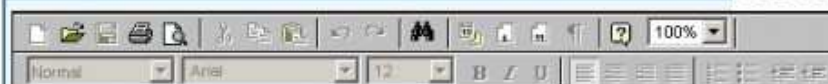
Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Which type of information is present in (.tld) file? Mention any five.

Answer ( [Please click here to Add Answer](#) )

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