Question 1
Answer saved
Marked out of 1.00
What Java API is used in your code to access data that is stored in RDBMS?
○ a. java.sql.* and java.query.*
○ b. java.query.*
⊚ c. java.sql.* and javax.sql.*
○ d. javax.query.*
Clear my choice

Answer saved

```
Assume that path is valid, consider the code in two servlets:
firstServlet.java
 protected void processRequest(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
  request.setAttribute("us","Testing");
  request.getRequestDispatcher("secondServlet").forward(request,response);
secondServlet.java
protected void processRequest(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
  try (PrintWriter out = response.getWriter()) {
    String data=request.getParameter("us");
    out.println(data);
What is the result when the first Servlet runs?
 ○ a. display "" in the browser.
 ○ b. None of the others
    c. display "null" in the browser.
 Clear my choice
```

Question 3		
Answer saved		
Marked out of 1.00		
What does the prefix in TLD file means?		
○ a. None of the others		
○ b. It is an address to access tag class		
○ c. It is a name that the users must be used and fill when they import taglib on JSP Page		
d. It is an alias name to avoid the conflict name of tag in this tld to others		
Clear my choice		
Question 4		
Answer saved		
Marked out of 1.00		
Which structure of Status Line in Response Message is?		
○ a. [HTTP Version] [Response Code] [Http Method]		
○ b. [HTTP Method] [Protocol Version] [Requested Resource forming URI]		
⊚ c. [HTTP Version] [Response Code] [Status]		
○ d. None of the others		
Clear my choice		

Question 5
Answer saved
Marked out of 1.00
What different points between Java Bean and Java class?
○ a. Java Bean class must have a public no-argument constructor
○ b. Java Bean class must be implemented from Serializable
○ c. Using <jsp:usebean></jsp:usebean> to locate or instantiate the Bean.
Clear my choice

Question 6
Answer saved
Marked out of 1.00
What memory scope is used to store data that exists until the session is closed, session is time out, or server is crashed?
a. Session scope
○ b. Context scope
○ c. Request scope
○ d. page scope
Clear my choice
Question 7
Answer saved
Marked out of 1.00
What statement is used to display data from the session scope in the page(.jsp)?
○ a. \${sessionScope.name}
b. All of the others
○ c. <%= session.getAttribute(name) %>
○ d. \${name}
Clear my choice

Question 8
Answer saved
Marked out of 1.00
What way is used to transfer data from the resource (jsp or servlet) to the other resource?
○ a. request.dispatcher(url).send();
b. request.getRequestDispatcher(url).forward(request,response);
○ c. response.sendRedirect(url);
○ d. request.sendRedirect(url);
Clear my choice

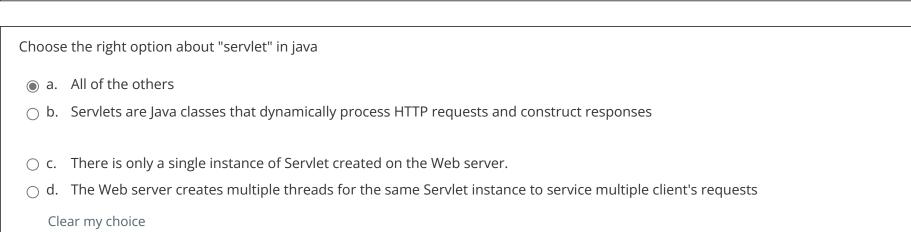
Answer saved

Marked out of 1.00

Assume that the web app is deployed and named "MyAPP", use the server name "localhost", port: 8080. Consider the code in the filter public void doFilter(ServletRequest request, ServletResponse response, FilterChain chain) throws ServletException, IOException { HttpServletRequest req = (HttpServletRequest)request; System.out.println("tried to access " + req.getRequestURL() +" on " + new Date() + "."); chain.doFilter(request,response); and this filter is applied to the servlet1 What is the output when client send a request to the servlet1 on "Tue Mar 08 15:26:33 ICT 2022."? ○ a. display the text: tried to access /servlet1 on Tue Mar 08 15:26:33 ICT 2022. ○ b. display the text: tried to access /MyApp/servlet1 on Tue Mar 08 15:26:33 ICT 2022. o. display the text: tried to access http://localhost:8080/MyApp on Tue Mar 08 15:26:33 ICT 2022. (a) display the text: tried to access http://localhost:8080/MyApp/servlet1 on Tue Mar 08 15:26:33 ICT 2022. Clear my choice

Question 10	
Answer saved	
Marked out of 1.00	
What is data-source?	
a. Logical name binds to context path that is in the context.xml file and container read it at deploy time	
○ b. None of the others	
○ c. Logical name is get from database's name	
d. Logical name binds to database server address with its authentication and connection drivers	
Clear my choice	
«	>>

Question 11		
Answer saved		
Marked out of 1.00		

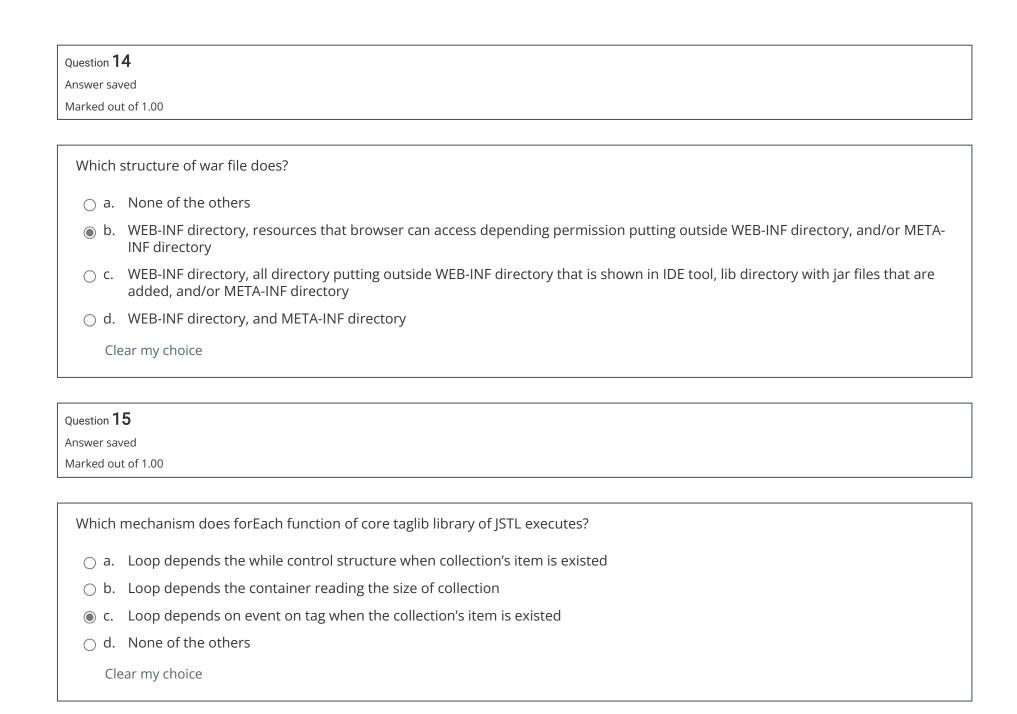


Answer saved

```
Consider the code in the file web.xml:
<context-param>
 <param-name>count</param-name>
 <param-value>5</param-value>
</context-param>
and in the servlet "testServlet.java"
public class testServlet extends HttpServlet{
    protected void processRequest(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
      //MISSING
Choose the right option to get initial context parameter at [MISSING]
 ○ a. ServletConfig scf=getServletConfig();
        int result2=scf.getInitParameter("count");
 b. ServletContext sc=getServletContext();
        String result=sc.getInitParameter("count");
 c. ServletConfig scf=getServletConfig();
        String result2=scf.getInitParameter("count");

    d. ServletContext sc=getServletContext();
```

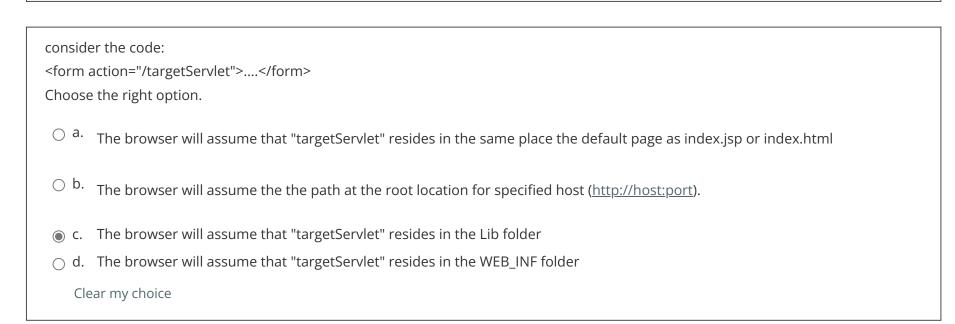
int result=sc.getInitParameter("count");
Clear my choice
Question 13
Answer saved
Marked out of 1.00
Which following function in core library taglib of JSTL is used to make the urlrewriting technique?
a. url and/or param
○ b. import and/or param
○ c. set and/or param
○ d. None of the others
Clear my choice



Answer saved

```
assume that all library files are imported, consider the code in the files:
processingServlet.java
  ArrayList<Book> list=new ArrayList();
  list.add( new Book("b1","test1"));
  list.add( new Book("b2","test2"));
  list.add( new Book("b3","test3"));
  request.setAttribute("data", list);
  response.sendRedirect("index.jsp");
index.jsp
 <c:foreach var="b" items="${requestScope.data} >
      $\{b.id\} $\{b.title\}
  </c:foreach>
What is the output when processingServlet.java runs?
 o a. display three paragraphs that contain id and title of the books
 b. None of the others
 ○ c. display three paragraphs that are empty string
 ○ d. display three paragraphs that are null
    Clear my choice
```

Question **17**Answer saved



Answer saved

```
Given tld fragment
<tag>
  <name>test</name>
  <tag-class>sample.custag.Test</tag-class>
  <body-content>EMPTY</body-content>
  <attribute>
   <name>a</name>
   <required>false</required>
   <rtexprvalue>true</rtexprvalue>
  </attribute>
 </tag>
Which following tag is NOT correct when it is applied above configuration? Assume that the prefix of tag is test in used.
 a. <test:test>abc</test:test>
○ b. None of the others
\bigcirc c. <test:test a = "${2 + 2}/>
Clear my choice
```

Question 19			
Answer saved			
Marked out of 1.00			
Which of following feature does indicate "Servlet should NOT use as dynamic page"?			
 ○ a. Getting auto refresh on receiving a request time 			
○ b. Initialize only once at deploy time			
○ c. None of the others			
Clear my choice			
Question 20			
Answer saved			
Marked out of 1.00			
Which mission of JSP Engine does?			
 a. Parse JSP File, Generate Servlet Code, Compile Servlet, and Instantize Servlet 			
 b. Compile JSP into Java Class, Generate Mapping into Web Deployment Descriptor (web.xml), Generate Request and Response Object, Forward to Resource 			
c. Generate Servlet Code, Compile Servlet, Generate Mapping into Web Deployment Descriptor (web.xml), and Instantize Servlet			
○ d. None of the others			
Clear my choice			

« »

Question 21
Answer saved
Marked out of 1.00
How does remain the Request Object's life longer?
○ a. Using Attribute of Request Object
b. Using Request Dispatcher
○ c. None of the others
○ d. Using UrlRewrting combining sendRedirect method of Response Object
Clear my choice

Question 22
Answer saved
Marked out of 1.00

What is difference about resource response mission between Request Dispatcher and Filter?
a. The first resource that is forwarded information will response in Request Dispatcher mechanism. The last resources that is applied filter will be response in Filter
b. None of the others
c. The last resource that is forwarded information will response in Request Dispatcher. The first Filter that is apply to resources will be response in Filter
d. The first resource that is forwarded information will response in Request Dispatcher mechanism. The last Filter that is apply to resources will be response in Filter

Answer saved

Marked out of 1.00

Consider some steps:

- [1] Check available DB connection
- [2] Create SQL String using DML
- [3] Connect DB using method that you are built
- [4] Create Statement/PrepareStatement/CallableStatement
- [5] Execute Query to get ResultSet
- [6] Process the ResultSet

Choose the right sequence to access the DB using JDBC API?

- a. 1,2,3,4,5,6
- b. 3,1,2,4,5,6
- o. 1,3,2,4,5,6
- Od. 3,4,5,6,1,2

Question 24
Answer saved
Marked out of 1.00
What is Interceptor in Struts 2 Framework?
○ a. None of the others
 b. It is another Filter that receive information from Main Filter (Dispatch Filter)
○ c. It is a Filter that applied to application when the user uses browser send request to container
Clear my choice
Question 25
Answer saved
Marked out of 1.00
Which symbol is used to get or call get method of object in EL?
a. Dot Symbol
○ b. None of the others
○ c. Semi Colon Symbol
○ d. Double quote
Clear my choice

Answer saved

```
Consider the code in the filter
public void doFilter(ServletRequest request, ServletResponse response,
      FilterChain chain) throws IOException, ServletException {
    try {
      chain.doFilter(request, response);
      request.setAttribute("id", "SE12345");
    } catch (Throwable t) {}
And the code in the servlet1
  String s= (String)request.getAttribute("id");
   out.println("id:" +s);
Apply this filter to the servlet1
 What is displayed in the browser?
 \bigcirc a. the text "SE12345" is displayed in the browser.
 ○ b. the empty string is displayed in the browser.
 • c. the null value is displayed in the browser
 Clear my choice
```

Answer saved

```
Consider the code in the file "web.xml":
<web-app>
<filter>
    <filter-name>myfilter</filter-name>
   <filter-class>vanttn.filter.myfilter</filter-class>
</filter>
  <filter-mapping>
    <filter-name>myfilter</filter-name>
    <url-pattern>/servlet1</url-pattern>
  </filter-mapping>
</web-app>
Choose the right statement.
[1] Intercept the requests and response that flow between a client and the servlet "servlet1".
[2] Supports dynamic modification of requests between a client and the servlet "servlet1"
[3] only apply the filter "myfilter" to all servlets in the web app exception the servlet "servlet1"
[4] can not apply the filter "myfilter" by using "web.xml"
 ○ b. 2
 ○ c. 4
```

d. 1
Clear my choice
Question 28
Answer saved
Marked out of 1.00
Who initializes the Response Object?
a. Container
○ b. None of the others
○ c. Tomcat Server
○ d. Servlet
Clear my choice

Question 29
Answer saved
Marked out of 1.00
What is the url-pattern tag in filter-mapping tag for?
 a. Determining the resource is applied by configurating Filter
○ b. None of the others
\bigcirc c. Determining the access path to access the Filter from the browser
○ d. Define the mechanism to resource accessing the Filter
Clear my choice

Question **30**Answer saved Marked out of 1.00

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Question 31
Answer saved
Marked out of 1.00
choose the right option to insert data as: name="testing" to the request scope in the servlet.
○ a. Request.setAttribute("name","testing");
b. request.setAttribute("name","testing");
○ c. RequestScope.setAttribute("name","testing");
○ d. this.setAttribute("name","testing");
Clear my choice
Question 32
Answer saved
Marked out of 1.00
What method commonly used for passing user input/ sending information to the server. These request parameters are passed in the body of the request?
○ a. SENT
○ c. PASS
○ d. GET
Clear my choice

Question 33
Answer saved
Marked out of 1.00
Which mechanism does Struts 2 can be used some components in any projects or libraries?
○ a. Using xml to configure
b. Using JavaBeans
○ c. None of the others
○ d. Using Action Context to contain information
Clear my choice

Answer saved

Marked out of 1.00

Consider the table structure:

Accounts(accid: int primary key, fullname: varchar(20), role: int foreign key, email: varchar(20)).

Roles(roleid: int, description: varchar(50))

What query can be used to check the account id=1 that exists in the Accounts table?

- a. select * from Accounts where accid=1
- b. all of the others
- c. select count(accid) from Accounts where accid=1
- d. select accid from Accounts where accid=1

Question **35**Answer saved

Marked out of 1.00

Consider some statements:

- [1] Dynamically access incoming requests from the user before the servlet processes the request
- [2] Access the outgoing response from the web resources before it reaches the user
- [3] Intercept the requests and response that flow between a client and a Servlet/JSP
- [4] Was introduced as a Web component in Java servlet specification version 2.3

What these statements are saying about?

- a. web server
- b. container
- c. back end services
- d. filter

Answer saved

Marked out of 1.00

Answer saved

Marked out of 1.00

Assume that all library files are imported and there is a data as user="testing" in the session scope . Consider the code in the file "index.jsp" <h1>welcome [MISSING]</h1> What statement is used to display "testing" at [MISSING]? [1] \${sessionScope.testing} [2] \${sessionScope.user} [3] \${session.getAttribute("testing")} [4] \${"testing"} a. 2 ○ b. 4 ○ c. 1 Clear my choice

```
Question 38
Answer saved
```

```
Consider the code:
<jsp:useBean id="b" class="vanttn.dto.Book" scope="session" />
What option is similar to the above code?
○ a. <%
              b= new vanttn.dto.Book();
              pageContext.setAttribute("b", b);
        %>

    b. <% vanttn.dto.Book b= (vanttn.dto.Book) pageContext.getAttribute("b");
</p>
           if (b== null) {
              b= new vanttn.dto.Book();
              pageContext.setAttribute("b", b);
            } %>
○ c. <%
              b= new vanttn.dto.Book();
              pageContext.setAttribute("b", b);
        %>
 ○ d. <% Book b= pageContext.getAttribute("b");
           if (b== null) {
              b= new Book();
              pageContext.setAttribute("b", b);
        %>
```

Clear my choice			
Question 39			
Answer saved			
Marked out of 1.00			
What memory scope is used to store data that exists until the web container is stopped?			
○ a. request scope			
b. application/context scope			
○ c. session scope			
○ d. page scope			

Answer saved

Marked out of 1.00

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Question 41	
Answer saved	
Marked out of 1.00	

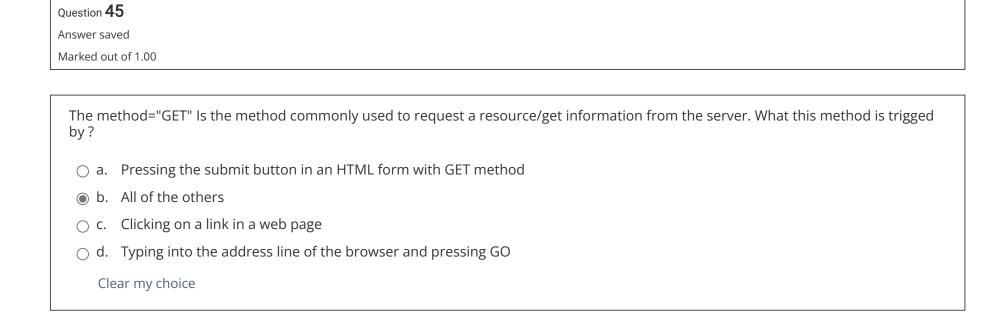
How does output of Servlet Object present into browser?	
○ a. None of the others	
○ b. The servlet's output is automatically sent to user's browser	
\bigcirc c. The servlet's output should be put into Scope then Request Dispatcher will be forwarded to browser	
 ol. The servlet's output should be put into Response Object 	
Clear my choice	

Question 42 Answer saved Marked out of 1.00 Consider the code: ... String myvalue=request.getParameter("txtname"); Select * From Registration Where uName = ? What can be used to set the myvalue variable to "?"?

- $\ \, \ \, \mbox{\Large @}$ a. using the PrepareStatement
- \bigcirc b. Using Connection
- \bigcirc c. Using ResultSet
- \bigcirc d. using Statement

Question 43
Answer saved
Marked out of 1.00
What is the meaning of param keyword in EL?
○ a. param is a briefcase of Request Parameter

○ c. None of the others
○ d. param is a briefcase of Parameters of Context Scope, Config, and Request Scope
Clear my choice
Question 44
Answer saved
Marked out of 1.00
Which method does container generate code with scriptlets and expression?
○ a. service
○ b. None of the others
⊚ cjspService
○ djspForward
Clear my choice
Clear my choice



Question **46**Answer saved

Marked out of 1.00

Consider the table structure:
Accounts(accid: int primary key, fullname: varchar(20), role: int foreign key, email: varchar(20)).
Roles(roleid: int, rolename: varchar(50))
What query can be used to get full name and role name of the account?

a. select fullname, rolename from Accounts, Roles

b. None of the others

c. select fullname, rolename from Accounts, Roles where role=roleid

d. select * from Accounts , Roles

Clear my choice

Question 47			
Answer saved			
Marked out of 1.00			
What attribute presents value that contains some target resource in the web application (e.g. Servlet or JSP)?			
○ a. encryption			
○ c. method			
○ d. multidata			
Clear my choice			

Answer saved

```
Assume that all library files are imported, the page is run on the localhost, port:8080, the web name is "MyWeb"
consider the code in the file "index.jsp"
<c:url var="test" value="search.jsp">
  <c:param name="key" value="plant"/>
</c:url>
<a href="${test}"> click here</a>
What will be displayed when the user clicks the hot pot "click here"?
[1] "http://localhost/MyWeb/search.jsp&key=plant"
[2] "http://localhost:8080/MyWeb/search.jsp&key=plant"
[3] "http://localhost/MyWeb/search.jsp?key=plant"
[4] "http://localhost:8080/MyWeb/search.jsp?key=plant"
 b. 4
 ○ c. 2
 Clear my choice
```

Question 49		
Answer saved		
Marked out of 1.00		
Which definition is used to map dynamic database connection?		
○ a. Java Database Connection		
○ b. None of the others		
○ c. Resource		
Clear my choice		
« »	>	