Homework

# Question 1

If there is a file “hello.jsp” in applicaton “helloapp”, its file path like this:  
<CATALINA\_HOME>/webapps/helloapp/hello/hello.jsp, then what’s the URL to access “hello.jsp” in browser?

(A) http://localhost:8080/hello.jsp

(B) http://localhost:8080/helloapp/hello.jsp

(C) <http://localhost:8080/helloapp/hello/hello.jsp>

# Question 2

If there is a file “HelloServlet” in applicaton “helloapp”, and”HelloServlet”is in the package “org.javathinker”, then which path will the class file “HelloServlet” be put in?

(A) helloapp/HelloServlet.class

(B) helloapp/WEB-INF/HelloServlet.class

(C) helloapp/WEB-INF/classes/HelloServlet.class

(D)helloapp/WEB-INF/classes/org/javathinker/HelloServlet.class

# Question 3

If there is a file “HelloServlet” in applicaton “helloapp”, and the web.xml file:

<servlet>

<servlet-name> HelloServlet </servlet-name>

<servlet-class>org.javathinker.HelloServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name> HelloServlet </servlet-name>

<url-pattern>/hello</url-pattern>

</servlet-mapping>

then which URL access “HelloServlet” in the browser?

(A) <http://localhost:8080/HelloServlet>

(B) <http://localhost:8080/helloapp/HelloServlet>

(C) <http://localhost:8080/helloapp/org/javathinker/hello>

(D) <http://localhost:8080/helloapp/hello>

# Question 4

From HTTP request, which method will be called to get the requested parameters?

(A)To call the method getAttribute() of HttpServletRequest object

(B)To call the method getAttribute() of ServletContext object

(C)To call the method getParameter() of HttpServletRequest object

# Question 5

Who create the object ServletContext?

(A) Servlet container，Servlet container will always create a ServletContext object for each http request

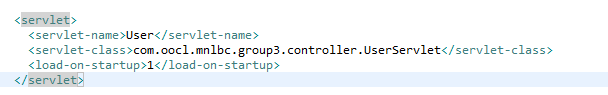
(B) JavaWeb application itself will create a ServletContext object

(C) Servlet container, at startup, Servlet container will create a ServletContext object for each JavaWeb application

# Question 6

About the lifecycle, when will these objects ServletRequest, ServletResponse, Servlet and ServletContext be created and destroyed?

Servlet is created by default on the first request to that servlet, it can however be set to load-on-startup in the web.xml



Servlet is destroyed when the destroy() method is called when the servlet is unloaded from memory.

ServletContext is contained within the ServletConfig object when the servlet is initialized.

ServletConfig is used to provide init parameters to the servlet when the init() method is called

while the ServletContext is used to provide the application level initialization that all servlets can use

when the application is started.

Servlet

ServletResponse is created in the service() method for every request.

# Question 7

jspForward1.jsp will transfer the request to jspForward2.jsp, and the request has username (“John”), how to implement?

(A) request.setParameter(“John”);

(B) request.setAttribute(“username”, “John”);

(C) <a href=“jspForward2.jsp? username= “John”>jspForward2.jsp</a>

# Question 8

What’s the result of the codes when second time to access the JSP page in browser?

<!% int a=0; %>

<%

int b=0;

a++;

b++;

%>

a:<%= a %> <br>

b:<%= b %>

(A) a=0 b=0

(B) a=1 b=1

(c) a=2 b=1

# Question 9

Which one is correct?

(A) Servlet container will create an object HttpSession for each request to access file “maillogin.jsp”.

(B) Each object HttpSession has a unique ID.

(C) JavaWeb application must be responsible to assign a unique ID

# Question 10

What to do, if not hope JSP page support Session?

(A) To call the method invalidate() of HttpSession

(B) <%@ page session= “false”>

# Question 11

Use the JSP to finish the User Register functionality for a web page.

* Need database support; (done) – connection is to Group 3’s database on zha-ita122-w7
* And the validation on each item and give warning message if error; (done)
* After user registered, first check if the user exists in the database or not. If not, then save the user information to database. If yes, go to a alert page. (done)