Exercise 2 (30 Questions)

1.	Which of the following Java technologies is better to deliver the static HTML content?			
	(a) Java servlet technology (b) Java JSP technology			
2. The Java JSP technology is a completely new technology with respect to the servlet technology.				
	(a) true (b) false			
3.	Since a JSP file is derived from an HTML file, there is no need to compile the JSP file to make it useful in general.			
	(a) true (b) false			
4.	Is a JSP file qualified to be a welcome file?			
	(a) yes (b) no			
5.	Is it a good practice way to put a lot of Java code inside a JSP file?			
	(a) yes (b) no			
6.	In a Java web application, if we want to do a lot of data processing work, which of the following types of files should be used?			
	(a) servlet (b) JSP			
7.	If an HTML form does not have the action attribute, then this form cannot be submitted to any processing file.			
	(a) true (b) false			
8.	In order to <i>forward</i> a request to another resource in the web application, which of the following objects should be used <i>directly</i> ?			
	(a) HttpServletRequest (b) HttpServletResponse (c) RequestDispatcher (d) PrintWriter			

9.	When you store some data in the request scope in a servlet, which of the following pages can access it?
	(a) a forwarded JSP page from the servlet(b) a redirected JSP page from the servlet
10.	Which of the following objects is used to <i>redirect</i> the request to another URL?
	(a) HttpServletRequest (b) HttpServletResponse (c) RequestDispatcher
11.	At what time is a JSP directive processed?
	(a) at page translation time (b) at compile time (c) at runtime
12.	Which of the following Java expressions can be replaced by the JSP expressions?
	(a) System.out.println() (b) out.println() (c) writer.println()
13.	All the variables declared in JSP scriptlets are class variables.
	(a) true (b) false
14.	All the JSP elements of a JSP, such as JSP directives, JSP declarations, JSP scriptlets, JSP expressions, are all copied into the <code>_jspService</code> method in the translated servlet class.
	(a) true (b) false
15.	After a JSP file is translated into a Java servlet and gets compiled, when it is executed, the servlet's service method is called inside the _jspService method.
	(a) true (b) false
16.	In a Java web application, if you can <i>redirect</i> a request to certain URL in a servlet, then you can also <i>forward</i> the current request to the same URL.
	(a) true (b) false
17.	The code inside a JSP <i>declaration</i> will be copied into the _jspService() method of the JSP servlet class after the translation.
	(a) true (b) false

18.	When you send multiple values under the <i>same parameter name</i> to a servlet, which of the following statements is true?		
	 (a) Only the first value can be retrieved in the servlet. (b) Only the last value can be retrieved in the servlet. (c) None of the values can be retrieved in the servlet. (d) All the values can be retrieved in the servlet. 		
19.	In which of the following JSP elements, the JSP implicit objects cannot be used?		
	(a) JSP scriptlets (b) JSP expressions (c) JSP declarations		
20.	Which of the following types of URLs can be used to <i>redirect</i> the request by the sendRedirect method of the HttpServletResponse object?		
	 (a) any URL (b) only URLs of resources in the same web application (c) only URLs of resources in the same web server 		
21.	Which of the following is responsible for translating the JSP code into a Java servlet?		
	(a) web browser (b) Apache HTTP server (c) web container (d) Java programmers (e) system administrators		
22.	If you place a JSP inside the folder $\mathtt{WEB-INF/jsp}$, you can $\mathit{redirect}$ a request to this page.		
	(a) true (b) false		
23.	In order to create a RequestDispatcher object in a servlet to forward a request, we need to use a constructor of RequestDispatcher to get the job done.		
	(a) true (b) false		
24.	In a servlet, if you retrieve a parameter value and find that the String object is null, it means that the user does not provide any value to the parameter.		
	(a) true (b) false		
25.	Which of the following scopes is used by the JSP implicit variables?		

class scope $\,$ (b) $\,$ method scope $\,$ (c) $\,$ block scope

(a)

	(a) true (b) false
28.	Which of the following ways of using JSP implicit objects is legal?
	<pre>(a) <%! String name = (String) request.getAttribute("username"); %> (b) <% request.sendRedirect("mypage.jsp"); %> (c) <%= response.getAttribute("number") %> (d) <%= request.getParameter("chap-sec") %></pre>
29.	Suppose that you have a JSP at the location WEB-INF/jsp/mypage.jsp under the context root, which is the current JSP. Now you want to <i>forward</i> the current request to another JSP at the location jsp/display.jsp under the context root. What path should you use in forwarding?
	Ans:
30.	Suppose that you have a JSP at the location WEB-INF/jsp/mypage.jsp under the context root. If you <i>forward</i> the current request to this page in a servlet whose URL pattern has the form /xxx/yyy, what path should you use for this JSP?
	Ans:

26. Which of the following is NOT a JSP directive?

include

the second scriptlet is after the first scriptlet.

(c)

forward

27. In a JSP file, you have *two* JSP scriplets. If you define a local variable in the first scriptlet, you can still use it in the second scriptlet. Assume that the location of

(d)

taglib

(b)

page

(a)