Date 15th Oct			7
Name	: Momina Fo	1009.	u (a)
· · · · · · · · · · · · · · · · · · ·	l no.: 524.		
	Roll no.: 04524		
	ile : Web Engir		
Course Con	le: 17-205,	p	
& Gara	nd Accienment	Rob Com a	
VIII0	nd Assignment	Tast Papers &	
	Past Paper 201	4,2017.	
	Shoat Q-Ans.		
(a) How	٠ الم سي ممه	title	
(1) How	can you add a	bitte page in HTI	ML?
		page in HTI	
The < title >	> tag defines t	page in HTI	cument.
The < title > The < title > o defines	> tag defines to element: a title on the	page in HTI ne title of do browser tool	cument.
The < title > The < title > o defines o provides	> tag defines to element: a title for the p	page in HTI ne title of do browser tool	cument.
The < title > The < title > o defines o pravides added (> tag defines to element: a title or the particle for the particles.	page in HTI ne title of do browser tool	cumento.
The < title > The < title > O defines O provides added so o desplay	> tag defines to element: a title for the proposities. a title for the proposities.	page in HTI ne title of do browser tool	cumento.
The < title > The < title > O defines O provides added o o desplay engine	> tag defines to element: a title or the particle for the particles.	page in HTI ne title of do browser tool	cumento.
The < title > The < title > O defines O provides O desplay O engine < head >	> tag defines to element: a title for the proposities. a title for the proposities.	page in HTI browser tool age when it page in sear	cumento.

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	(2) What do you mean by external CSS?
	An automal itile what is a inquier
	An external style sheet is a separate
	CSS file that can be accessed by creating
	a link within the head section of the
	same link to access the stylesheet: The
	link to an external style sheet is placed
	within the head section of the page.
	< head >
	<pre></pre>
	href = "mystyle ocs" >
-	.
	(3) What is the purpose of interactive website
	An interactive website is a website that
	communicates and allows for interaction with
	users. And by interaction, we don't just mean
-	allowing users To "click" and "sucle". Offering
-	users with content that is amusing, collaborative
-	and engaging is the essential objective and
-	purpose of an interactive website.

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-	(4) For what purpose cookies are used?
	Cookies are small views of tout that
	Cookies are small pieces of tent that
	are sent to your browser by a website you
	visit. They help that website remember
	information about your visit; which can
	both make it easer to visit the site again
	and make the site more useful to you.
	1 Diff 1: - 1 1 11500 1 4001
((5) Differentiale between HTML and XML.
	The key difference between HTML and XML
	is that HTML displays data and describes the
	structure of a webpage whereas XML stores
	and transfers data. XML is a standard language
-	which can define other computer languages, but
-	HTML is a predefined language with its own
П	implications.
1	(6) What purpose does HTTP status code server
	An HITP status code is a message a website's
	server sends to the browser to indicate whether
	or not that request can be fulfilled. Status

Date. 15th Oct. 2022. 045 247. code speci are lot by w36. Status codes are embedded in the HTTP header of a page to tell the browser the result of its request. (7) What happened when you send data from a HTML form with GET method? The GIET method is the method used by the browser to ask the server to send back a given resource: "Hey server, I want to get This resource". In this case, the browser sends an empty body s Because the body is empty, if a form is sent using this method the data sent to the server is appended to the URL. (8) For what purpose applications variables are used? Application variables provides a way to store information in your application, and they're avairable to all the application's users For example; you can use Application variable in visual InterDer to store information about

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Dates 15th Octida.	0452470

arecour					
data	connections ,	When you	e add a	new do	ita
	to the useb				
	ata source (
	when you				
the vi	vriable's da	to exists	only on	ce for th	nat
	tion on the				
requires	y to hold	mall ar	nount of tion for	server's	ā
11	Application 1				
11	information.		0		
(9) Wh	at is the	purpose	of XSL	Т?	
	at is the				
XSLT	is used to XHTML down	transform iments o	XML do	cuments other	
XSLT into XML	is used to XHTML down clocuments	transform iments o	XML do	cuments other	
XSLT into XML Stylesh	is used to XHTML down clocuments et language	transform iments o o XSLT	or into stands for imation.	cuments other or Extensil	5
XSLT into XML Stylesh	is used to XHTML down clocuments	transform iments o o XSLT	or into stands for imation.	cuments other or Extensil	5
XSLT into XML Styleshi a la	is used to XHTML docu documents et language nguage defin	transform ments o o XSLT Transformation for	XML do or into stands for imation.	other other ot Extension a transform	5
XSLT into XML Styleshi a la	is used to XHTML down clocuments et language	transform ments o o XSLT Transformation for	XML do or into stands for imation.	other other ot Extension a transform	5
XSLT into XML Styleshi ax la (10) Hi	is used to XHTML docu documents et language nguage defin	transform ments of o XSLT. Transforition for using J	XML do or into stands for imation. xML da a messe avascript	other t Extensil t specific tansform	5

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function will display Text in a dialogue box that pops up on the screen. Before this function can work , we must first call the showAlert () function. JavaScript functions are
called in response to events.
function showAlerI()
alert ("Hello world");
.
Long G-Ans.
(2) What do you mean by 3-tier application architecture? How it helps
Three-lier architecture is a well established
software application architecture that organizes applications into three logical and physical computing Tiers:

	nding on the platform.
• Hp	plication tier "
	The application Tier ralso known
as 1	the logic tier or middle tier, is the
heart	of the application. In this tier,
info	emation collected in the presentation ties
V	ocessed - sometimes against other
	mation in the data tier - using business
V	, a specific set of business rules. The
	cation tier can also add, delete or
	fy data in the data ties.
	e application Ties is typically developed
	Python, Java, Perl, PHP or Ruby, and
	nunicates with the data ties using API calls.
	rta Vier:
75%	The data tier, sometimes called database
Tier ?	, data access ties on back-end, is where
	information processed by the application is
	and managed. This can be a relational
	ase management system such as PostgreSQL,
	L, Maria DB , Oracle, DB2, Informix or
-	Il Sal Sover, or in a Nosal Database
	such as Cassandra, Couch DB or Mongo DB.

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In a three	- tier application, all	
communication	goes through the application	-014
tier . The prese	intation ties and the data	
tier cannot c	ommunicate directly with	
one another.		
	Presentation	
	Application	
	Data	
* Benefits:		
V	aster development.	
	mproved scalability.	
	mproved reliability.	2
	Improved security.	
* 3-ties ay	pplication in web developments	
In web de	evelopment , the tiers have	
	ames but perform similar	
	. Dalabose Source s-	
· Web Serv		
	ion Server.	
	se Server.	

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· Web Server:-
The lieb Server is the presentation ties
and provides the user interface. This is usually
a web page or a website, such as an ecommuna
site where the user adds products to the shopping
cart, adds payment details or creates an accounts
The content can be static or dynamic,
and is usually developed using HTML, CSS
and Jova Script.
· Application Server:
The Application server corresponds
to the middle tier a housing the business
logic used to process user inputs. To
continue the commerce enample, this is
the tier that queries the inventory database
to return product availability, or adds details
to a customer's profile. This layer often
developed using Python, Ruby, or PHP and
runs a framework such as Djargo, Raies,
Symphony or ASP-NET, for example.
Database Server:
The database sever is the data or
backend lies of a web application. It was
on DBMS such as MySQL, Oracle, DB2, PostgreSQL etc.

JSP life cycle is defined as the process from its creation till the destruction.

- Paths followed by JSP .-

The following are the paths followed by

- · Compilation .
- · Initialization.
 - · Execution.
 - o Cleanup.

The four phases have been described below.

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speafic initialization, overrêde the jeplnit ().	
public void - jsplnit ()	
"Il initialization code.	
Typically, initialization is performed only once and as with the served init method,	
you generally initialize database connections open files and create lookup tables in the	
o JSP Execution:	
This phase of the JSP life yelle represents all interactions with requests	
whenever a browser requests a JSP.	
and the page has been loaded and initialized, the ISP engine invokes the	
-jspsewice() method in the JSP. The jspsewice() method takes an	
as its parameters as follows:	
void - jspService (HTlpServletRequest request, HTTP HttpServletResponse response)	

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3
1 Sexice handling code.
3
The jopsewiel method of a jsp is
invoked on request basis. This i's
responsible for generating the response for
That request and this method is also
responsible for generating responses to all
seven of the Http methods, i.e., GIET,
POST, DELETE etc.
a JSP Cleanup &
The destruction: phase of the JSP
like cycle represents when a JSP is being
semoned from use by a container.
The jspDestroy() method 1s the JSP
equivalent of the destroy method for
seculets. Override Jsp Destroy when you need
To perform any cleanup, such as releasing
database connections or closing open files.
public void sp Destroy()
// Varia
1 your cleanup code goes here.

to create and use. There is no complexity	
involved. This advantage is what the Javabea	n
architecture especially focuses on Javabeans are	
lightweight too. This means they don't carry	
unwanted loaggage for supporting their	
environment.	
(ii) Portable:	
JavaBeans can be easily	
ported to any platform that is compatib	u
with the Java run-time environment.	
Java Virtual machine is responsable for	
implementing both Javabeans support as	
well as platform specifications.	
(iii) Comes with the strength of Java:-	
Javabeans is easy and universally	
compatible. It doesn't need a complex	
mechanism to register components with the	
Java run-time system.	
A few other advantages include its reusabilit	4
in different environments, usefulness in the	
reation of applications, applets, servels, and other	
components, ease of deployment in network systems,	
and dynamism and customization.	