1. Brew and explain J.SP Weaple.
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both contlated to a sorular life up cle, control into al
ASSIGNMENT 2
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DEPARTMENT: LT 3rd /EAR.
1. DULE 3-13 / INFO3101.
MODULE 3-13/INFO3101/2:
senados (Esparados)
following steps were introduct in 1:30 likedon
Compilation of 12P page to searchet:
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Con interest of the Scanner with CamScanner

	Draw and escplain JSP lifecycle.
1.	Draw and explain JSP lifecque as defined as  - A Java Server Page to life cycle as is defined as  the process started with its creation which later  the process started with its creation which later  the process started with its create comes into play.
	1100
Ans	- A Java Server Page to ill creation into play-
	the process started with like and comme destruction.
	oner on
	the process started with its destruction.  translated to a servlet lifecupale comes to destruction.  This is how the process goes on until its
	JSP Life Cycle
	Translation Phase
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Servlet File 7 e milation Phase
	1011 De 18 Compiler
	. Soulet Class
	V SUMME GARDINE
	DISPARAMENT STATEMEN.
	Called once > ispInit()
	[ispService()] > Handle multiple
	request and sends
	Called once isplestray() response
	following steps are involved in JSP life cycle:
	Translation of JSP page to Servlet. Compilation of JSP page (Compilation of JSP into  Lest. java)  Classlanding (test. java to test. class)
	Granslation of JST page to Servet.
•	Compilation of Jet page Compilation of Jep into
	test:java)
•	Classloading (test. java to test. class)
•	Instantiation ( Of Object of the generated Servet
	is created)
•	tribialization ( spInit () method is invoked
	by the container
•	Classloading (test. java to test. class)  Instantiation (Ojr Object of the generated Sorvet is created)  Enstron Pritialization (jsp Init () method is invoked by the container)  Request processing (-jsp Service () is invoked by the container)  JSP Cleanup (jsp Destroy () method is invoked
	TSP Cleanup (isp Destroy () method
	is invoked
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by the container) Granslation of JSP page to Servlets une lie the first step of JSP life cycle. This translation phase deals with Syntactic correctness of Jsp. Here test jsp file is trainelated to test java. Compilation: Of JSP page: Here the generated java servlet file (text java) is compiled to a classifile (test-class). Classloading & Servelet class which has been loaded Jepen Jepesoure is now loaded bodd winto conference Instantiation: Here instance of the class is generated The container manager one or more instance by providing response to He requests. Initialization: [SpInit() method is called only during the life cycle imagediately after the generation of servlet inspance from JSP. Land. Request processing: - 15p Service () method is used to serire the raised requests by JSP: I'm takes request and response object às parameters. This method cannot be overvidden ISP Cleanup: In order to remove the JSP from use by the container or to destroy method for servlets & jep Destroy () merhod is used. Uhis is called once, if you was need to perform

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12	any cleanup task like closing of the tep Destroy()
	relass releasing departage connections
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. Aus	Harrier & mily
	Servlet is a java code. (a). JSt is a victoria
	12 2 222 : in 11 to code on
( <u>_</u>	Writing code for service (b) & Jep 18 eary con home.
	is harder than JSP as it is laractive
	is of the in java.
اعرطيط	in other him java.
(c)	Sorvet plays a controller & JSP is the view in
	role in MVC approach. MVC approach
	showing our pour.
	- i romp of to now-that sast swellow misty
d)	Servlet is fastor than JSP d) JSP is slower than Servlet
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	2 mars by theyele is the
	translation of JSP to jara
1. Jnc	Lebes i housen Osin de code and their compile.
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	Scrilet con accept all e) JSP only accepts http protocols requests. requests.
left) w	In servlet, ue con f) In JSP, we connot overvide the service () overvide its service ()
4254.	overvide the service ()
ر الردي ،	method method.
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3-	When is taglib directive in JSP and how it is
	used?
Augi	Me taglib directive declares that your JSP
	page uses en solo al allater of the solo o
	location of the library
	page uses a ser of custom tags, identifies the location of the library, and provides means for identifying the custom tags in water TSP was
	11 1 9000 12 10001.
0.5	It is used to define a tag library that defines many tags.
	(4) D Legalil man with a solid "
	was the was the distance
\	(40 @ taglib um veri = "wei of the taglibrary" - prefin = "prefinoftaglibrary".>
7	
7.	Write a JSP program to develop library management-
	system the all necessary assumption
	Tabelle PCIO
	Write a JSP scriplet to calculate the factorial -
	of a number.
۸	The wine the ball of an exception of the
Huy	(HTML) Mench demands
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	(TITLE) Recursion
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s that	- another such as a short of DOB > an
	< HI> Factorial number using recursion
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· de :	return number;
	else { -i qui nième.
	resure number & number Jacporial (number -1);
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	out printer ("The factorial of 5 is")  number factorial (5));
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	number la ctorial. (3))
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gal july	(/HTML)  () (TPI) To- The factorial of 5 is 120
	OUTPUT: The factorial of 5 is 120
(X) Q3-	1'   -   -
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cher elle	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Q6-	Will the half of one reputile applain TCP
<b>∠</b> 6	With the help of an example explain JSP FORWARD ACTION.
	Carried 2
Amy 4	The forward action terminates the action of the
	current trage and bornards the
	another resolvifle such as a static page, another JSP page, or a Java servlet.
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	JSP hage for a Java convert
	pojo, i solva.
F	Example: Ler un reuse H. D.II
	(a) date ish and main a little files
	(a) date jsp and main as follows:-
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	(p) today's dase: (% = (new java. usil. Dard
	main. jep :-
1- year,	
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	< title > This a
	< title> This includes action
	CARLO.

	Page
	<1 head)
	  body>
	(center)
	<hz> 4 his includes action </hz>
	<pre></pre> <pre>//sp. foward page = "date-jsp"/&gt; </pre>
	(/body)
	Briefly explain the components of JDBC.
Ann:	to communicate with the Darabase using JOBC you
7103	need the following components.
	JDBC Drive Manager: The Drive Manager class of
	the Javasque package manages différent types of JDBC drivers. This class to loads the driver classes.
	JDBC drivers. This class to loads the driver classes.
4	In addition to this, whenever a new connection as
	esterblish it choose and loads the suitable dos deiver
d	ron previously loaded one.
	PDBC API :- It is a java abstraction which enables
	applications to communicate with relational darabases.
	ir provides tros main packages namen java. Equi anti
	avafnogl.
	The Annual Main is a haidow driller
4	JDBC ODBC Bridge Drive: - Yhis is a bridge obriver which translate the JDBC method calls. (-5 DDBC
	which translate one sisse and wou communicate
	runction calls using the package you can communicate
(	with database which uses ODBC drivers.