Post-A

· HTTP sowiet;

sexviets is a zona code that sun in a secuse application hence it is called as the name sexviets.

sexviets are most commy used for client sever communication with HTTP, hence senttimes called as "HTTP serviet".

8. Hello woosld using serviet:-

impost iava.io.*;
impost iava.io.sesviet.*;

Public class main extends Http sexvict (

Private String message;
Public void init() throws servict exception;

wessade: "Hello maxiq";

z

Public void do get (HTTP serviet reguest, HTTP serviet response, response)

throws servict Exception, to Exception.

**sesponse. set content Type ("text/html"),

Print writer out = response, getwriter();

OUT. Println ("ZhI>" +message + "ZhI>");

Public Void destroy(){

(3) case tags in 18P:

z

Lc:set>

Cc:91emous>

CC: fox-each>

cc : if >

cc:chook>

<c: when>

Jap: A Jap is a web based accument that describes how to process a reguest to execute a response.

Jap > Java Server pages is an alternative

may of executing segmets.

5. session tracking;

session trocking API bresistent cookies URL Preconcting Hidden from field

6 Advantages of Using PHP:

It can generate dynamic page content It can be GREEN, read, write open, close on the server. PHP can collect from data.

Display text using PHP:-

"Echo" command in PHP script can be used to display texts in PHP.

If php allows us to display the text is various formats using various attribute methods with the nelp of echo command.

8 XML Nomespace:sometime we need to execute two different element with the same name. wnl document allows us to execte different element which are having the common name,

This is called Name space.

&:- <vehicles>

ccas >

epsice > 100000 < Ipsice>

CICQ8 >

< biko>

LPSICE > 40,000 & IPTICE>

L/bike>

LI vehicles >

@ XSCT:-

into another markup language. They are commonly used to transform information to that for display on web. It can also convert information from xml into markup for useless display. For transmission to pass and sell phones.

ATOM: The Atom syndication format is an XML tanguage used for web feeds, whole the Atom tanguage protocol (APP) is a simple HTTP based protocol

11. Sexneleta :-

and gatapase or abblications on the seplex.

The acts as mightle paths permeen map or abblication seplex to paying map balles.

Serverets are zano bradrams that row ou

source literale:

Sexulet undergo 3 stages throughout its lifetime

Intiglisation - int()

sexuices - service()

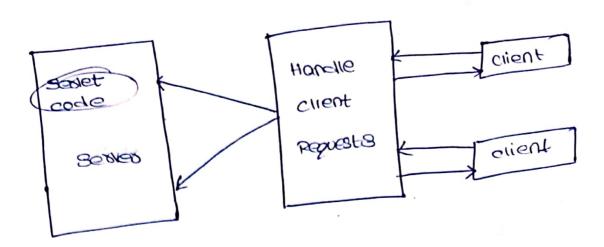
bestruction - destroy()

Intialization:

when sexulet is fixet oscated, init() method is involved, so the one setup code is placed hese



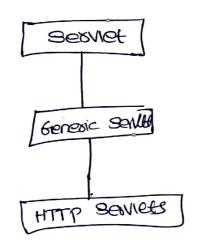
Service: each uses sequest sesuits in a thread that calls service() method of previously executed instance. The service() method cells dother() or dopose() method.



Destroy: when a server decides to unlead a servet, it first cells the servets destroy() method.



Source Axanitactuse:



The Java serviet architecture is made of a Packages.

* JONDX SERVICF

* IDAX SORVIOF LATE

Method8:-

when the sowlet is intialized.

void services: called by serviet contains to allow the services to seepond to a sequest

void destroy():- called by services of services

Servet request interface:

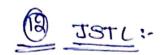
enable sexuet obtain into shoot client sequest.

Servet Response Interface:-

Implemented by sexulet contained seaponse for a client

steps to implement and RNU sexuet Application:

- · create HTML file.
- · write sexuet pagam
- · define web.kml file.
- · deploy executed files in tomeat webserver.
- · Run the application



The Isp standard tag library represents a set of symplify Isp development.

encapsulate the cose functionality common to many applications.

It provides a famework for attacking the already.

existing custom togs whether ISTL.

Advantages: It has fast development

The code is reveable

no need of script leg tag

usestag of	78TC:-	
		Pectix
	coxe togs	C
	functions tegs	fn
	formattes togs	fmt
	xml tog8	አ
	SAL togs	8q. l

```
-: noitgiazea
```

moinognent

function: used for string length and string.

manipulations

formatting: used too number, data, message formatting

XML: transformation and flow control.

391 -> 891 SUPPOSE

20xe tog8:-

<html>

Lhead > Little > Little > Linead >

Lbody >

Lc: set var = "welcome" scope: "session"
value = "fred" =

Lc. 12 text = { "welcome "= "fred"} >

LP7 welcome LC. Out value = "d welcome]"/>

LIC 177

21 body 7 & Intm17

```
c.out togs:-
     C: OUT Value " f" Hello woold "g" />
Lchoose tog:
   L body>
         LC: set van: "colox" scope . "session" value: "shoe"/>
          cc: choose >
          cc: when text = " $ { black '}"
          LIC: when >
          cc: when text = "& { blue }" >

< / class contraction </pre>

</p
                 CC: otherwises
    21body>
c: fox each tag:
  CC: for each var: " Iterator" begin = "100" and: "110"
 count: cc: out value = '& (itexatox ?'/>
      LIC: for each >
                                                 ount = 100
```

count = (0)

COUNT =110

in html:-

chtm1>

chead > ctitle > student management cititle>

alhead>

Lbody >

Ch3> STUDENT MANAGEMENT BATABASE CIH3>

Cfoom method = "get" action " 9 ignupilist" >

usesname: < input type = "text" name = " U-name"

value=" " >

email: L'input type = "Vaschax" name = "name"

value z11 47

name: Lin put type = " text" name: "name"

Vale = " " >

last name: cinput type="text" name="1-name"

*value = " " >

Rassword: < "nput type: " Password" name = "nass"

value = " " >

confirm password: Linput type : " confirm password"

name: " C.PQSS" Value: " >

```
<button -type: "submit"> signup <1button>
  LI form >

c form method: "get" action: "accept user, isp'>

 uses name: z input type = "text" name = "u.name"
        Value = " " >
  Result a in put type = " passuood" nome = " pass"
           value = " " >
  abutton type = "submit > login albutton>
  21 form >
   21body>
21htm17
Signup. 18p:
 < 1. @ Page impost = "java.891. " " >
 C'i. @ roge impost = "iova.ut1. * ">
 21/
       connection Con:
       Prepared Statement P81, P82, P83, P84, PS5,
      " PS6 ;
   public void 19p Init()
   d roy
```

```
con = Driver manager . get connection ("abc: nttp:// 100alhost
     : 1522/1 ip lab: ", "xoot");
ps 1.000. psepase statement ( update "from users");
pspicon, perpase statement (sinsept 2 mail to users
                              1 (:emonsesu
  atch (exception ex);
       ev. printstock toace ();
      { }
   x 3
       Public void 187 destably ()
 C7. 8
           { psi. close (); Psg: close(); Psg. close();
             PBA, CLOSE(); PBJ, CLOSE();
```

An XML Passes is a software library or Pockage that provides interface for client applications to coook with an AML document.

xml passess is designed to sead the xml and coeate a way for program to use xml.

These are two main types.

, DOM)

bon: bocoment opiect model:-

A pown document is an object that contains all the information of an xML document.

It is composed true staucture,

and it is very simple to use.

Features: - A DOM Paracions of original xml obcument oblect.

DOW passes has thee passed startuse

API 18 Blimple to USE.

preferred when random access to widely.

Disadvontages: It is memory inefficient than others

SAXI A SOX POSSES implements SAX AP2 then AP2 is on event based AP2 and less intiatives

Featuses: It does not execute any internal structure clients do not know what methods to call, they just overide methods of API and place thouse our code inside the method.

Advantages:

simple and memory efficient fast and for huge documents

dieadiontoges: event based so its API is less initiatitus.

-clients never know fault information since detalls broken into process.

b. XSLT:-

X8LT is a language for transforming xml documents into XHTML documents to other xml documents

X SLT Stands for XSL Transformation.

XSLT is the most important part of XSL.

XSLT transforms an XML document into another XML document.

XIT IS USED to transform an XML document into another XML document or another type document that is recognised by a browser like HTML and XHTML normally, XSLT does this transformation each XML element into an (X) HTML element.

and attributes to or from the actions elements

You can also seasonge and sost exements restorm talks and make descisions about which elements to hide and display and a of mose which elements to hide and display and a of mose xxxt transforms on xxxt source treatints on xxxt.

<p

```
chtml>
Chodys
<h2 > my co collection <1h2 >
ctable 6000de8 = "1">
             < F1 pd colox = "plack">
              Cth > THE CITH>
              Zth > artest 21th >
  <1t>>

          ZH >
                     2td > CX81 value of select = "title/> 21td>
              Ltd > CXSL Value of select="astist"/> C/td>
         21H>
         < 1 x81- fox- each >
         21 table>
          21body >
         LINTIND
        LIX81: template>
       CIX81: Stylosneets
```

```
16· b
```

Part-C

Student management system:-

login.html

<ntm1>

chead > ctitle > exam postal cititle >

< meto chasset = "UTF-8">

L'meta name: " viewpoint " content, "width=1.0'>

LIhead>

cbody >

cdiv style = " text-align (centex" >

Ch3> ONLINE EXAM PORTAL- 10gin 21h3>

Lhy7

2 form method = "get" action "accept user. Idp's

username cinput type = "text" name: "uname"

value = " " >

Password < input type = " password" Value = " ";

aboutton type = " Submit "> Login albutton >

L/form>

LI div >

L1body >

∠Intm17

```
cept uses, isp:
      Zy. @ Page impost = "iava.891." ">
      ∠i.@ page impost = "iava.uti] " ". >
     L7.1
         connection con;
         Prepared statement PSI, PSQ;
          Public void ispInit()
           484
         Class. for. name ("idbc. client driver") new
         instance() s
con: oxives manages. get connection (" Hbc: http://
        local host: 1527 /1 "Plab1", "800+", "800+");
P81: con. Prepare statement (" select (ant (*) from
    nsers muere nservame and rassmore is ");
ps: can. psepasestatement ("select" from users");
  coutch (expection ex)
     ev. Pount Stack Trace ();
```

```
LX! Public void isp destaby ()
       tsy
          P81, C1088 ()
          P82, Close ();
          cou . Close();
     3
   catch (exception ex)
             Print Stack Trace ();
     y >
```