

SAVEETHA SCHOOL OF ENGINEERING SIMATS, CHENNAI



Course Code /Title: CSA4399 – Internet Programming Programme : Computer Science and Engineering

ASSIGNMENT 3 QUESTIONS

SET-5

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	Questions	Marks	СО	BTI
1	Implementing a feature in a web application that tracks the number of accesses by a client within a single session. You need to use Java Servlets to manage and monitor session data. The application should count how many times the client accesses the application during their session and retrieve information about the session, such as the session ID, creation time, and last accessed time.	20	CO4	3
2	Write a scenario where you had to use JSTL to solve a complex problem and how you went about it. Also, elaborate the function library in JSTL and how to create custom functions.	20	CO4	2
3	A page of stock market quotes uses script to refresh the page every five minutes in order to ensure the latest statistics remain available. 20 seconds before the five minute period expires, a confirm dialog appears asking if the user needs more time before the page refreshes. This allows the user to be aware of the impending refresh and to avoid it if desired.	20	CO5	3
4	You are developing an e-commerce application that needs to integrate with an external payment gateway service. This service is described using a WSDL file. How would you use the WSDL file to integrate the payment gateway service into your e-commerce application? Describe the steps involved in generating the client code, invoking the service, and handling any potential errors	20	CO6	3

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Output:

(14+ml>

Ordered List

Onden 1D	Date	status	Amount
1002	2024-03-08	Pending Pending	150.00

```
JSP code using JSTL

    @ taglib un = "http://java.sun-com/jsp/jstil

                    Cone " Prefix = "C" % >
 < % @ taglib url = "http://java.oun.com/jsplisti/
                    functions "parefix = "fn" -/. >
 (html)
 (head)
     <title> cordex Management </title>
 </head>
 (body>
      < h2 xondex List (1/2>)
      (form method - "GET" action = "condea. jsp">
         <a href="status">Filter by status: </a> </a>
      (Select name = "Status" id = "Status">
         <option value = All > All 
        (option value = "Delivered" > Delivered
                                    < loptions
        Coption value = " Pending" > pending
                                     (/select>
   (in put type = "submit" value = "Filter">
 < Hooms
 (table bonden = "1">
   (thead)
      (tr>
       (th> Order ID (/th>
      (th) Date (/th)
      (th) status (/th>
      (th> Amount (/th>
<Ar>
```

Attoribute ("Visit Count"), if (visit Count = = null) { visit Count = 0; Visit Count ++; Session-set Attaibute ("Visit Count", Visit couns) out paint in (" (html > (body >"); out-pointln ("(h1> session Tracking Example (1) out-point In (" session ID: "+ session Id +""); Out-pointln ("(P) cession Greated; "+ new Date (cocation Time)+"(/p>"); ad paintin (" (P> Last Accessed; "+ new Date (last Accessed Time) +" (A)") Out paintln ("<P> No. of accesses in this session: visit court + ") out pointln ("</body></html>"); THE AND SOME STORES Output :-Session Tracking Example Session ID: 12345 ABCDE Session Greated: Man sep 09 12:00:00 IST 2024 Last Accessed: Mon sep 09 12:01:05 IST 2024

write a Scenario where you had to use Ist to colve a Complex problem and how you want about it. Also, elaborate the function library in JSTL and how to Create Custom functions.

No. of accesses in this session:

(3)

Øssignment-3

Implementing a feature in a neb application that tracks the number of accesses by a client within a single Session using Java and monitor session data.

Seawlet Code:

imposit java. io. Jo Exception: impost java io Paint writes;

impost java. Util. Date.

impost javax. scavlet . scavlet Exception;

impost javax. servlet annotation . web servlet !

imposit javax. seavlet. http. Httpseavlet.

impost javax. seavlet. Http. Httpseavlet Request:

impart javax. scarlet . http . Httpseavlet Response.

impost javax. seavlet. http. tittp session.

@ web Seavlet ("/session Tracken")

Public class Session Tracken extends Https: wilet &

protected void do Get (Httpsenvlet Request aequest,

Http seavlet Response response) throws

Seawlet Exception. To Exceptions

siesponse . set Content Type ("text/html");

Print writer out = Desponse. get writer ();

Httpsession session = Jequest. get toxites (ession (tome);

Storing Session Id = session-get Id();

long Coeation Time = session. get (neation Time();

long last Accessed Time = session-get Last.

Accessed Time ().

Integer VisitCount = (Integer) session get

```
Java Script Code Snippet:
  <! DOCTYPE HIM>
   (Hohn lang="en")
   (head)
     (meta chasset="UTI-8">
     ctitle > stack Monket Quotas (/title>
    (script)
      function Defendapage Cos
         location. seload ();
     Sct TimeOut (c) → §
      Const Confiam Refacul = Confiam (" the page will septech
                             in 20 aronds 1)
      if (! Confiam Refacts) }
        reforesh Page Co;
     3 elses
       aleat ("page arefaesh carceled.");
   3,280000)
  ( /script >
(body)
   (W) Stock Market Quotes (/h1)
</body>
(/Hm)>
```

Assignment-4

why JDBC is Essential in Building Database. Daiven

JDBC is essential because it provides a standard APJ for Java applications to interface with databases.

Source and JND1 in Apache Tomcat.

Configure Data Source:

< Resource name = jdbc/MyDB"

auth="Contained"

type = "javax.sgl. Data Source"

max Total = "20"

max Idle = "10"

max wait Millis = "10000"

Username = "dbuser"

Password = "dbpassword"

drives class Name = "Com. mysel. cj. sdbc. Driver"

url = "jdbc: mysql: // local hast: 3306/my database"/>

SCORES PARTY

Lookup Datasouace in Java Code Using JND

import javax. naming. Context;

impost javaz naming. Initial Context;

impart javax. 891. Data Souace;

imPost java sql. connection;

Public class Databouse Util {

Public static Connection get Connection()

thomas Goception &