## Assignment No- 5.

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Title: JSP, servlet and mysol

Objectives: I. understand about basic concept of html, css.

2. understand the basic fun-Chionalities of JSP.

3. Having the knowledge of SQL query to create the database.

Problem Statements?

I. Design and Builds Student Login
Page Using TSP, servlet & Mysol.

2. Design and Build Employee login. Page Using JSP, Servlet and Mysal.

Outcomes: I. Develop a dynamics
webpages using JSP, HTML, and server
o. write a server side or Java application.
Called servlet to catch the data
sent from elient, process it and
Store it on database (mysql)

3. Write a server side Java applications called Jsp to catch from data sent. forom dient and store it on database

a sold homopra

Software Needed:

1. Any operating system 2. Jok 7 orlater

B. Editors; Netbeans/Edipses. Tomeat 7000 later

Java Server Pages (JSP): It is server side programming technology, that is used to create dynamic Web-based application. JSP hava right to use the complete Java APIS, including the JDBC API to access.

The databases.

Opers to create. Dynamire webpages based.
on HTML, XML and other document types.
This Just like a PHP and ASP, but it.
Uses. the Java programming languages.

Why we need JSP?

JSP is used to design dynamic webpage,
and servlet is used to code the logic that
is present. I.e muc architecture servlet,
is controller and JSP is the view.

Architecture of TSP:

1. The request/response part of JSP. is defined.
In below architectures.

2. The client initiated request for a JSP file using browser.

3. Webs servers invoke the TSP file and.
interpret the TSP file produce a Java
code

4. onces servlet created, Ispengine compiles the servlet.

s. Now servlet class is loaded by container and executed it.

6. Engine sends the response back to the client

Syntax of TSp:

JSP declaration is used to declare vaniable and method as shown below.

<./. text 1.>

following is simple & first example JSP.

// Hello.JSP

<html>;

<head>

<ti>Hitle> JSP File </title>

</head>

<body>

< 1. out Println ("Intelcome to JSP class");

7.>

</body> </hrm1>

belcome to JSP class

Servlet: A sevlet is a server side program and written in Java. servlet is a web component that is deployed on the server for creating dynamic web. Pages. A Java servlet is a Java program that capabilities of a server.

Technology I Tool, in Brief. I. JSP and servlets.

2. IDF: MetBean 7.0 orlater.

3. parabase: my sol

Metbean: NetBean is an IDE, Used for quickly and easily developing Java desktop, mobile & web applications,

Mysal: mysal is freely available open source Relational patabase. manegement system.

Design / Execution Steps.

on extension of himland. Jsp.

2. write database connection page using servlet.

3. Set mysel Username, passward

and database name in database connections page.

4. Start the Tomcat Server with port.

5. Open the browser and type localhost :8084.

Test Cases.

Inanual testing is used to validate the field like username, password, mobile.

number and email id's of the users entered by user with the database.

Conclusion -> Hence, wehave Performed the dynamics web.

application using 98P,

servlet and Mysel.