**PRACTICAL-10**

**Problem Statement:** Create a servlet based web project to auto refresh a page using HttpServlet [AC]. Your project must fulfil the given requirements:

1. Show the heading of your project in response, using ServletConfig interface and <init-param> tag in web.xml
2. Application refreshes the browser every second and current time will be changed automatically at the browser

**SOURCE CODE:**

**Index.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action=*"refresh"* method=*"get"*>

<input type=*"text"* name=*"username"* placeholder=*"Enter Username"*>

<input type=*"text"* name=*"password"* placeholder=*"Enter Password"*>

<input type=*"submit"* value=*"Login"*><br/>

</form>

</body>

</html>

**Practical10.java**

package com.sushmita;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.Calendar;

import java.util.GregorianCalendar;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/Practical10")

public class Practical10 extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setIntHeader("Refresh",1);

response.setContentType("text/html");

Calendar calendar=new GregorianCalendar();

int hour=calendar.get(Calendar.HOUR);

int minute=calendar.get(Calendar.MINUTE);

int second=calendar.get(Calendar.SECOND);

String am\_pm;

if(calendar.get(Calendar.AM\_PM)==0)

am\_pm="AM";

else

am\_pm="PM";

PrintWriter out=response.getWriter();

out.println("<br>Heading: " + getServletContext().getInitParameter("headingOfTheProject"));

out.println("<br>Address:" + getInitParameter("address"));

out.println("<br><br><br>Auto Refresh Page<br>");

out.println("Current time: "+ hour + ":" + minute + ":" + second + " " + am\_pm);

}

}

**Web.xml**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://java.sun.com/xml/ns/javaee"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_3\_0.xsd"* id=*"WebApp\_ID"* version=*"3.0"*>

<display-name>Servlets</display-name>

<context-param>

<param-name>headingOfTheProject</param-name>

<param-value>Practical10</param-value>

</context-param>

<servlet>

<servlet-name>Practical10</servlet-name>

<servlet-class>com.sushmita.Practical10</servlet-class>

<init-param>

<param-name>address</param-name>

<param-value>BEL Road,Kotdwara</param-value>

</init-param>

</servlet>

<servlet-mapping>

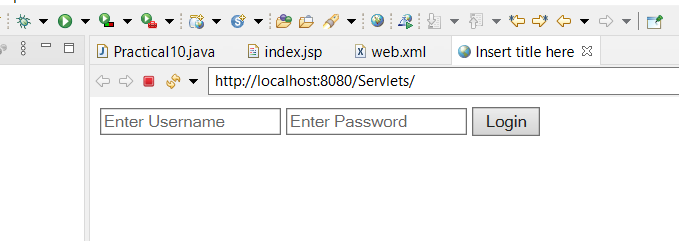
<servlet-name>Practical10</servlet-name>

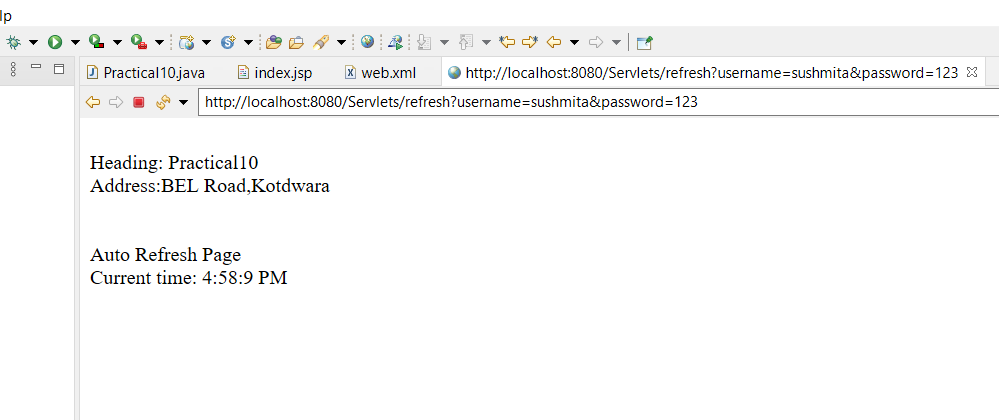
<url-pattern>/refresh</url-pattern>

</servlet-mapping>

</web-app>

**OUTPUT**

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