**Practical-10: HTTP Servlet based Web App Creation URL
SOURCE CODE**

Calender.java 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);
        }
}
```

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="index" method="get">
      Enter User Name:<input type="text" name="val1">
      Enter Password:<input type="text" name="val2">
      <input type="submit" value="login">
      </form>
</body>
</html>
```

Web.xml

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

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" id="WebApp_ID" version="4.0">

  <display-name>Practical 10</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.surya.servlet.calender</servlet-class>

                <init-param>
                    <param-name>address</param-name>
                    <param-value>BEL Road</param-value>
                </init-param>

  </servlet>

  <servlet-mapping>

                <servlet-name>calender</servlet-name>
                <url-pattern>/index</url-pattern>

  </servlet-mapping>

</web-app>
```