1. Write a JSP code to design a web page that accepts a user name and greet user
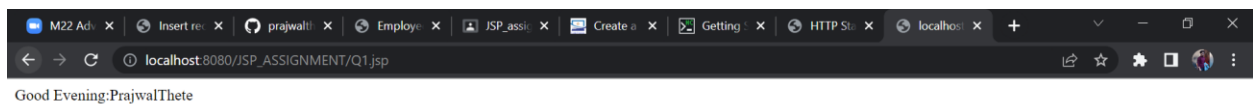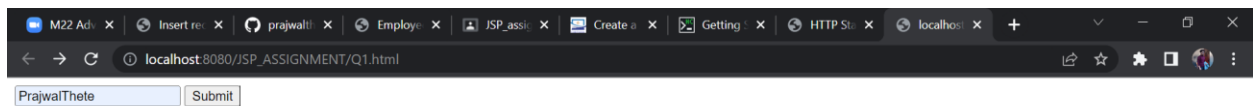
Q1.JSP FILE

```jsp
<html>
<body>
    <%
    String name = request.getParameter("username");
    java.util.Date d = new java.util.Date();
    int hr = d.getHours();
    if (hr < 12) {
        out.println("Good Morning:" + name);
    }
    if (hr > 12 && hr < 16) {
        out.println("Good Afternoon:" + name);
    }
    if (hr > 16) {
        out.println("Good Evening:" + name);
    }
    %>
</body>
</html>
```

Q1.HTML FILE

```html
<html>
<body>
    <form action="Q1.jsp" method="post">
        <input type="text" name="username"> <input
type="submit">
    </form>
</body>
</html>
```

OUTPUT-

2. Write a JSP code to design a web page which accepts username and password and compare it against static username and password, display appropriate message
valid/invalid user on same page.

Q2.JSP FILE

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Accept User Page</title>
</head>
<body>
    <h1>Verifying Details</h1>
    <%-- Include the ValidateUser.java class whose method
```

```jsp
                    boolean validate(String, String) we will be
using
            --%>
    <%-- Create and instantiate a bean and assign an id to
            uniquely identify the action element
throughout the jsp
            --%>
    <jsp:useBean id="snr" class="com.prajwal.assignment.Q2"
/>

    <%-- Set the value of the created bean using form data -
-%>
    <jsp:setProperty name="snr" property="user" />
    <jsp:setProperty name="snr" property="pass" />

    <%-- Display the form data --%>
    The Details Entered Are as Under
    <br />
    <p>
        Username :
        <jsp:getProperty name="snr" property="user" /></p>
    <p>
        Password :
        <jsp:getProperty name="snr" property="pass" /></p>


    <%
    if (snr.validate("prajwal", "abc")) {
    %>
    Welcome! You are a VALID USER
    <br />
    <%
    } else {
    %>
    Error! You are an INVALID USER
    <br />
    <%
    }
    %>
```

```html
</body>
</html>
```

loginQ2.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Login Page</title>
    </head>
    <body>
        <h1>User Details</h1>

        <form method ="get" action="Q2.jsp">
            Enter Username : <input type="text" name="user"><br/><br/>
            Enter Password : <input type="password" name ="pass"><br/>
                <input type ="submit" value="SUBMIT">
        </form>
    </body>
</html>
```
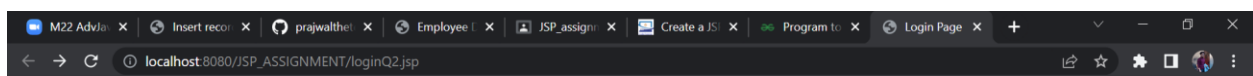
Q2.java

```java
package com.prajwal.assignment;

import java.io.Serializable;

// To persist the data for future use,
// implement serializable
public class Q2 implements Serializable {
    private String user, pass;
```
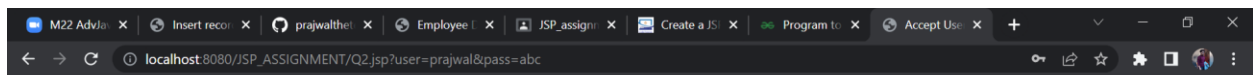
```java
public void setUser(String u1) {
    this.user = u1;
}

public void setPass(String p1) {
    this.pass = p1;
}

public String getUser() {
    return user;
}

public String getPass() {
    return pass;
}

public boolean validate(String u1, String p1) {
    if (u1.equals(user) && p1.equals(pass))
        return true;
    else
        return false;
}
}
```


User Details

Enter Username : prajwal

Enter Password : •••
SUBMIT

Verifying Details

The Details Entered Are as Under

Username : prajwal

Password : abc

Welcome! You are a VALID USER

3. Write a JSP code to design a web page which accepts username and age from user if age is less than 18 print message "not eligible for vote" else "eligible for vote".

.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<%
String name = request.getParameter("name");
int age = Integer.parseInt(request.getParameter("age"));
if (age >= 18) {
    out.println(name + "\n eligible for vote");
} else {
    out.println(name + "\n not eligible for vote");
}
%>
```
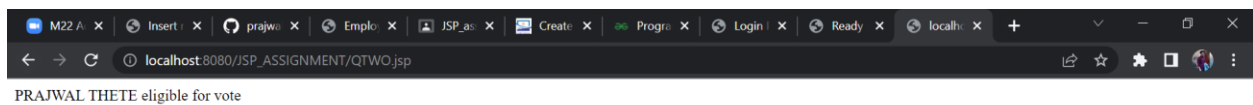
Html file

```html
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
</head>
<body>
```

```
    <form action="QTWO.jsp" method="post">
        Name : <input type="text" name="name"> Age : <input
            type="text" name="age"> <input type="submit"
value="Check">
    </form>
</body>
</html>
```
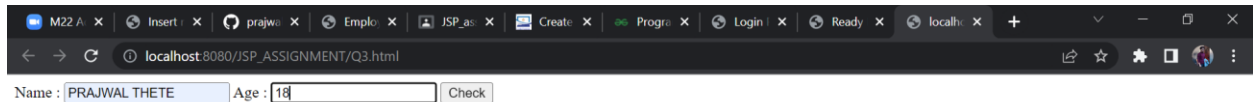

PRAJWAL THETE eligible for vote

4. Create a Login module using JSPtostorecredential(s) inside Cookie with age of 30
minutes, and do also needful code where user does not has to enter
username/password if he is restarting the page within 30 minutes.

5. Write a JSP code which accepts username and nickname from user. At first visit,
display message "Hello Username" and for the next successive
request, display
"Hello nickname".