

1.Create a simple web page using bootstrap**Program:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Web page using Bootstrap</title>
  <link rel = "stylesheet" href =
"https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
  <header>
    <nav class = "navbarnavbar-expand-lgnavbar-dark bg-dark">
      <a class = "navbat-brand" href = "https://nandhu-
r.github.io/portfolio/">My Page</a>
    </nav>
  </header>
  <main>
    <div class = "container mt-5">
      <h1>Welcome to My page</h1>
      <p>This is a sample web page created using Bootstrap by Nandhu</p>
    </div>
  </main>
  <footer class = "bg-dark text-light py-3">
    <div class = "container">
      <p>&copy; 2023 My Web Page</p>
    </div>
```

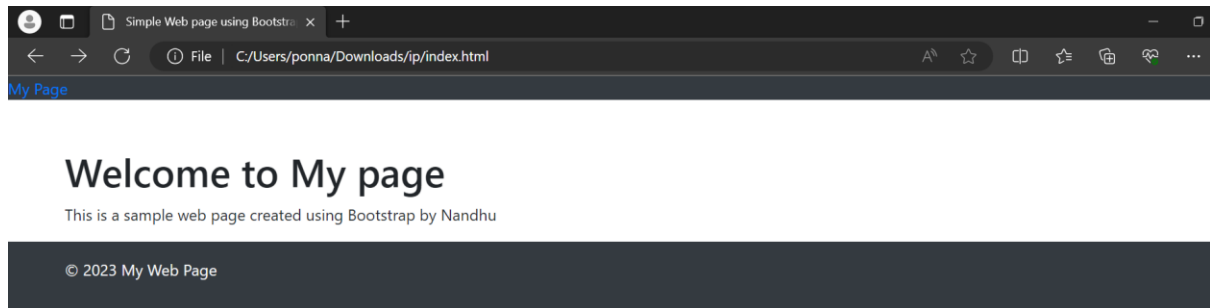
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</footer>

<script src =
"https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></scrip
t>

</body>

</html>

Output:

2.Implement Typescript Classes And Function**Program:**

```
class Rectangle{
  private width:number;
  private height:number;
  constructor(width:number, height:number) {
    this.width = width;
    this.height = height;
  }
  public getArea():number {
    return this.width * this.height;
  }
  public getPerimeter():number {
    return 2 * (this.width + this.height);
  }
}

function calculateAreaAndPerimeter() {
  var rectangle = new Rectangle(5, 10);
  var area = rectangle.getArea();
  var perimeter = rectangle.getPerimeter();
  console.log(`Area:${area}`);
  console.log(`Perimeter:${perimeter}`);
}

calculateAreaAndPerimeter();
```

Output:

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3.Implement Bootstrap Typography

Program:

```
<!DOCTYPE html>
<html>
<head>
<title>Bootstrap Typography</title>
<!-- Import Bootstrap CSS -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
>
</head>
<body>
<div class="container mt-5">
<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>
<p class="lead">This is a lead paragraph.</p>
<p>This is a normal paragraph.</p>
<p class="text-muted">This is a muted paragraph.</p>
<p class="text-primary">This is a primary paragraph.</p>
<p class="text-success">This is a success paragraph.</p>
<p class="text-danger">This is a danger paragraph.</p>
<p class="text-info">This is an info paragraph.</p>
<p class="text-warning">This is a warning paragraph.</p>
<blockquote class="blockquote">
```

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<p class="mb-0">This is a blockquote.</p>

<footer class="blockquote-footer">Ponnandhakumar</footer>

</blockquote>

<ul class="list-unstyled">

List item 1

List item 2

List item 3

</div>

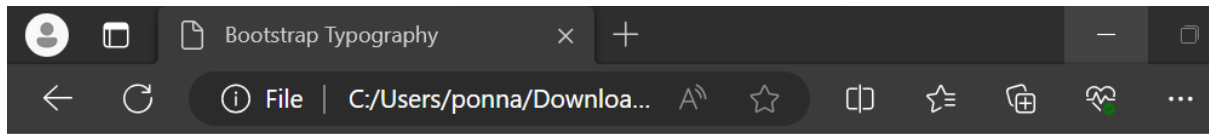
<!-- Import Bootstrap JavaScript -->

<script

src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></script>

</body>

</html>

Output:

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

This is a lead paragraph.

This is a normal paragraph.

This is a muted paragraph.

This is a primary paragraph.

This is a success paragraph.

This is a danger paragraph.

This is an info paragraph.

This is a warning paragraph.

This is a blockquote.

— Ponnandhakumar

List item 1

List item 2

List item 3

4.Validation Using Javascript**Program:****Registration.html:**

```
<html>
<head>
<script>
var re_id=/^\w{5,12}$/
var re_pwd=/^\w{8,12}$/
var re_name=/^[a-zA-Z.]+$ /
var re_email=/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/
var re_pin=/^\d{6,6}$/
function isChecked(x)
{
    var flag=false;
    for(var i=0;i<x.length;i++)
        if(x[i].checked)
        {
            flag=true;
            break;
        }
    return flag;
}
function formValidation()
{
    if(!re_id.test(document.frm.userid.value))
    {
        alert("ID can contain alphabet,digit,_ and must be between 5 and 12");
        document.frm.userid.focus();
    }
}
```

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```
        return false;
    }
    else if(!re_pwd.test(document.frm.passid.value))
    {
        alert("password must be:\n-between 8 and 12");
        document.frm.passid.focus();
        return false;
    }
    else if(!re_name.test(document.frm.username.value))
    {
        alert("name must contain alphabet and .");
        document.frm.username.focus();
        return false;
    }
    else if(!(document.frm.dob.value!=""))
    {
        alert("dob cannot be empty.");
        document.frm.dob.focus();
        return false;
    }
    else if(document.frm.country.value=="default")
    {
        alert("select any country");
        document.frm.country.focus();
        return false;
    }
    else if(!re_pin.test(document.frm.zip.value))
    {
        alert("pin code must contain 6 digits");
```

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```
document.frm.zip.focus();
return false;
}
else if(!re_email.test(document.frm.email.value))
{
    alert("email is empty or not valid");
    document.frm.email.focus();
    return false;
}
else if(!isChecked(document.frm.interest))
{
    alert("select your area of interest");
    document.frm.interest[0].focus();
    return false;
}
else
    return true;
}
</script>
</head>
<body>
<pre>
<h1>Registration Form</h1>
<form name='frm' onSubmit="return formValidation()" action="login.html">
User id  :<input type="text" name="userid" maxlength=12 required
autofocus/>
Password :<input type="password" name="passid" maxlength=12 />
Name     :<input type="text" name="username" />
DOB      :<input type="date" name="dob"/>
```

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```
Country :<select name="country">
<option value="default" selected>(Please select a country)</option>
<option value="AF">Australia</option>
<option value="AL">Canada</option>
<option value="DZ">India</option>
<option value="AD">USA</option>
</select>

ZIP Code :<input type="text" maxlength=6 name="zip" />

Email :<input type="text" name="email" size="50"/>

Sex :<input type="radio" name="sex" value="Male" checked />Male <input
type="radio" name="sex" value="Female" />Female

Interested in :<input type="checkbox" name="interest"
value="sports"/>sports<input type="checkbox" name="interest" value="music"
/>music

<input type="submit"/><input type="reset"/>

</form>

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

Login.html:

```
<html>
<head>
<script>
function authenticate()
{
var name=document.getElementById("log");
var pwd=document.getElementById("pwd");
var users=["user1 ","user2 ","user3"];
var passwords=["pass1 ","pass2 ","pass3"];
```

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```
if(users.indexOf(name.value)==-1)
{
alert("Invalid user name... try again...");
name.select();
return false;
}
else if(passwords[users.indexOf(name.value)]!=pwd.value)
{
alert("Invalid password... try again...");
pwd.select();
return false;
}
else
return true;
}
</script>
</head>
<body style="line-height:12pt;">
<div style="position:absolute;
border:34px ridge red;
left:520px;
top:150px;
padding:20px;
background:gold;">
<center>
<form action="payment.html" onSubmit="return authenticate()">
User Name :<input id="log" type="text" required autofocus/><br/><br/>
```

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Password:<input id="pwd" type="password" required/>

<input type="submit"><input type="reset">

</form>

</center>

</div>

</body>

</html>

Payment.html:

<html>

<head>

<script>

var re_card=/^\d{12}\$/

var re_cvv=/^\d{3}\$/

function validate()

{

var c=document.getElementById("card");

var n=document.getElementById("name");

var e=document.getElementById("exdate");

var cvv=document.getElementById("cvv");

if (!re_card.test(c.value))

{

alert("Card Number should be 12 digit number...");

c.select();

return false;

}

else if(n.value=="")

{

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```
alert("name should not be empty...");
n.focus();
return false;
}
else if(e.value=="")
{
alert("expired name should not be empty...");
e.focus();
return false;
}
else if (!re_cvv.test(cvv.value))
{
alert("Cvv should be 3 digit number...");
cvv.select();
return false;
}
else
{
alert("thank you for purchasing with us...");
window.close();
return true;
}
}
</script>
</head>
<body>
<form name="myform" onSubmit="return validate()">
<center>
<pre style="position:absolute;
```

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DEPARTMENT OF CSE

border:34px outset gold;

left:420px;

top:130px;

padding:20px;">

CARD NO: <input id="card" type="text" required maxlength=12 autofocus
>

NAME: <input id="name" type="text" name="name"/>

EXPIRY DATE: <input type="month" id="exdate" />

CVV: <input id="cvv" type="text" maxlength=3 />

<input type="submit"/>

</pre>

</center>

</form>

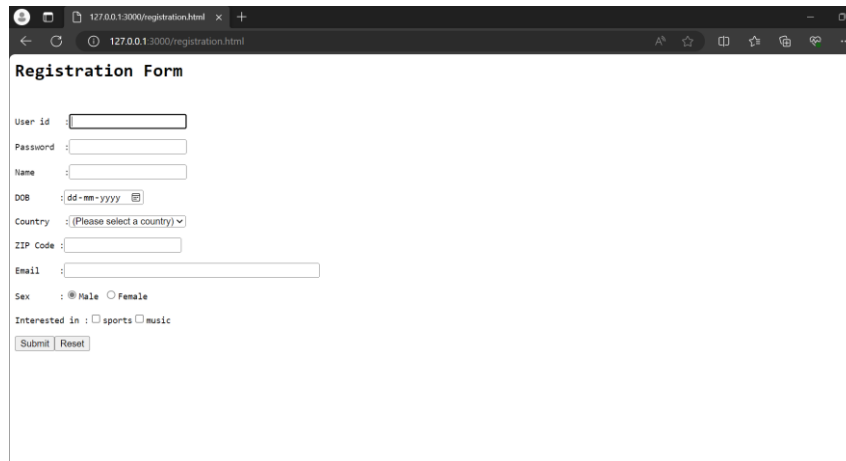
</body>

</html>

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Output:

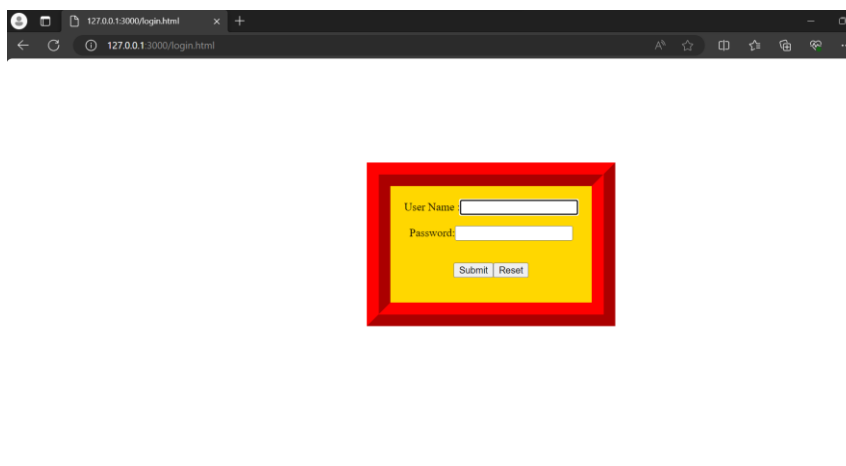
Registration.html:



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:3000/registration.html". The page title is "Registration Form". The form contains the following fields and controls:

- User id:
- Password:
- Name:
- DOB:
- Country:
- ZIP Code:
- Email:
- Sex: ☒ Male ☐ Female
- Interested in: ☐ sports ☐ music
- Buttons:

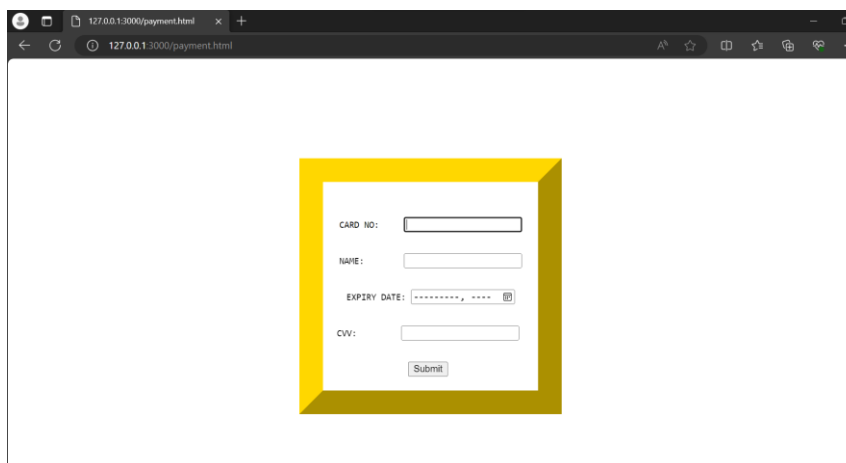
Login.html:



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:3000/login.html". The page contains a login form with the following fields and controls:

- User Name:
- Password:
- Buttons:

Payment.html:



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:3000/payment.html". The page contains a payment form with the following fields and controls:

- CARD NO:
- NAME:
- EXPIRY DATE:
- CW:
- Button:

5.Invoking Servlet From HTML Form**Program:****sayhello.java:**

```
package ex5;

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.GenericServlet;
import javax.servlet.ServletException;
import javax.servlet.ServletRequest;
import javax.servlet.ServletResponse;

public class sayhello extends GenericServlet{@Override
public void service(ServletRequest req, ServletResponse res)
    throws ServletException, IOException {
    // TODO Auto-generated method stub
    PrintWriter out=res.getWriter();
    String name=req.getParameter("usr-name");
    out.println("<h1> Welcome"+name+"</h1>");
}
}
```

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>simpleservlet</display-name>
    <welcome-file-list>
        <welcome-file>index.html</welcome-file>
        <welcome-file>index.htm</welcome-file>
        <welcome-file>index.jsp</welcome-file>
        <welcome-file>default.html</welcome-file>
        <welcome-file>default.htm</welcome-file>
        <welcome-file>default.jsp</welcome-file>
    </welcome-file-list>
    <servlet>
```

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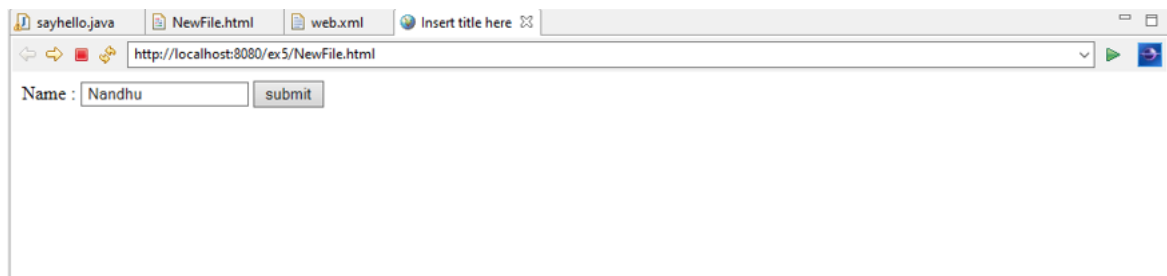
```
<servlet-name>sayhello</servlet-name>
<servlet-class>ex5.sayhello</servlet-class>
</servlet>
<servlet-mapping>
  <servlet-name>sayhello</servlet-name>
  <url-pattern>/hello</url-pattern>
</servlet-mapping>
</web-app>
```

NewFile.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
  <form name="form1" method="post" action
    ="http://localhost:8080/ex5/hello">
    Name : <input type="text" name="usr-name">
    <input type="submit" value="submit">
  </form>
</body>
</html>
```

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Output:



6.Program for session tracking using hidden form fields**Program:****web.xml:**

```
<?xml version="1.0" encoding="UTF-8"?>
00<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>simpleservlet</display-name>
    <welcome-file-list>
        <welcome-file>index.html</welcome-file>
        <welcome-file>index.htm</welcome-file>
        <welcome-file>index.jsp</welcome-file>
        <welcome-file>default.html</welcome-file>
        <welcome-file>default.htm</welcome-file>
        <welcome-file>default.jsp</welcome-file>
    </welcome-file-list>
    <servlet>
        <servlet-name>servlet1</servlet-name>
        <servlet-class>ex6.server1</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>servlet1</servlet-name>
        <url-pattern>/s1</url-pattern>
    </servlet-mapping>
    <servlet>
        <servlet-name>servlet2</servlet-name>
        <servlet-class>ex6.server2</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>servlet2</servlet-name>
        <url-pattern>/s2</url-pattern>
    </servlet-mapping>
</web-app>
```

Server1.java:

```
package ex6;
```

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```
import java.io.PrintWriter;

import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class server1 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse
response){
        try{
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();

            String n=request.getParameter("userName");
            out.print("Welcome "+n);

            //creating form that have invisible textfield
            out.print("<form action='s2'>");
            out.print("<input type='hidden' name='uname'
value='"+n+"'>");
            out.print("<input type='submit' value='go'>");
            out.print("<br> User Name is Tracked From HTML");
            out.print("</form>");
            out.close();
        } catch(Exception e){System.out.println(e);}
    }
}
```

Server2.java:

```
package ex6;
import java.io.PrintWriter;

import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class server2 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse
response) {
        try{
            response.setContentType("text/html");
            PrintWriter out = response.getWriter();
            //Getting the value from the hidden field
```

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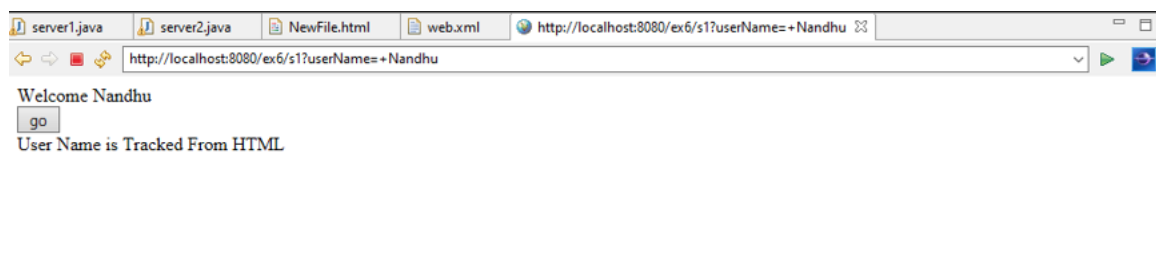
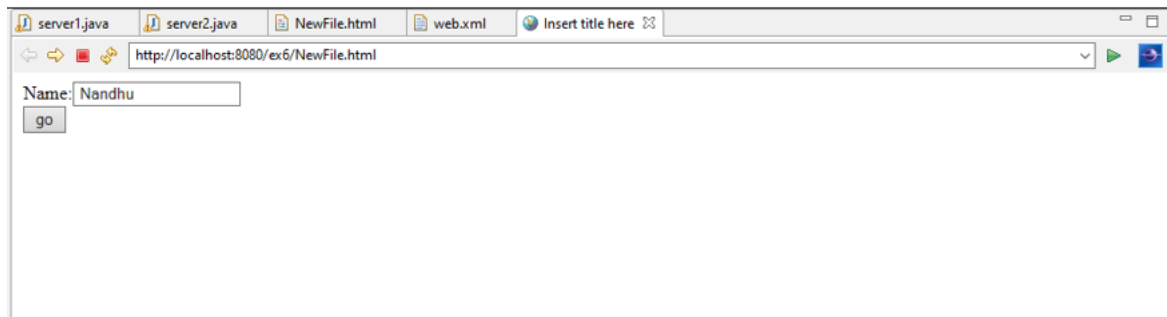
```
String n=request.getParameter("uname");
out.print("<br> <h1>User Name tracked Using Hidden Form
Field</h1>");
out.print("<br><h3>Hello "+n+"</h3>");
out.close();
} catch(Exception e){System.out.println(e);}
}
```

NewFile.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="http://localhost:8080/ex6/s1">
    Name:<input type="text" name="userName"/><br/>
    <input type="submit" value="go"/>
</form>
</body>
</html>
```

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Output:



User Name tracked Using Hidden Form Field

Hello Nandhu

7.Program for session tracking using hit count**Program:****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>simpleservlet</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.htm</welcome-file>
    <welcome-file>default.jsp</welcome-file>
  </welcome-file-list>
  <servlet>
    <servlet-name>tracks</servlet-name>
    <servlet-class>ex7.hits</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>tracks</servlet-name>
    <url-pattern>/count</url-pattern>
  </servlet-mapping>
</web-app>
```

hits.java

```
package ex7;

import java.io.IOException;
import java.io.PrintWriter;
import java.util.Date;
```

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```
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
public class hits extends HttpServlet {
    public void doGet(HttpServletRequest request,    HttpServletResponse
response)
        throws ServletException, IOException
    {
        HttpSession session = request.getSession(true);
        Date createTime = new Date(session.getCreationTime());
        Date lastAccessTime =
            new Date(session.getLastAccessedTime());
        String title = "Session tracking. Hit count Example";
        Integer visitCount = new Integer(0);
        String visitCountKey = new String("visitCount");
        String userIDKey = new String("userID");
        String userID = new String("ABCD");
        if (session.isNew()){
            //title = "Welcome to my website";
            session.setAttribute(userIDKey, userID);
        } else {
            visitCount = (Integer)session.getAttribute(visitCountKey);
            visitCount = visitCount + 1;
            userID = (String)session.getAttribute(userIDKey);
        }
        session.setAttribute(visitCountKey, visitCount);
        response.setContentType("text/html");
    }
}
```

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```

PrintWriter out = response.getWriter();

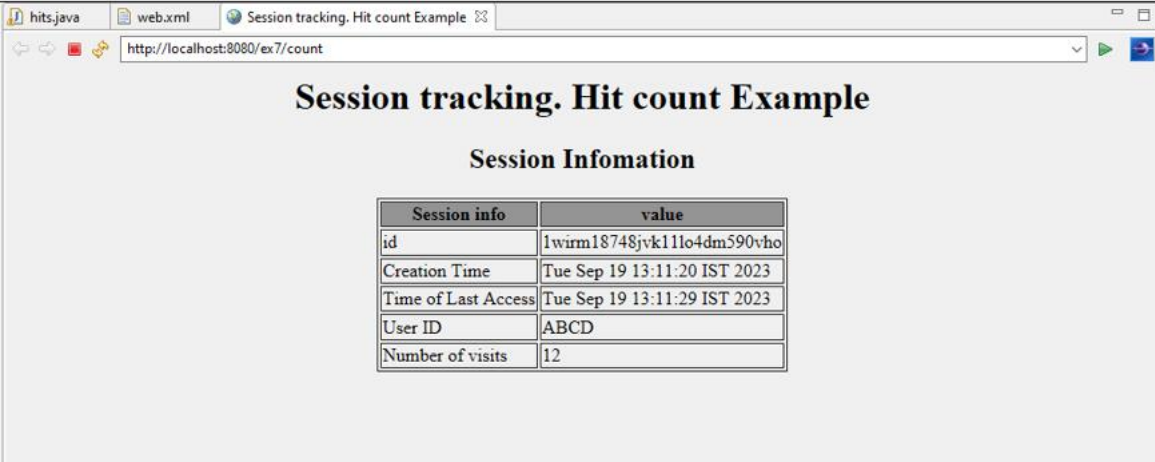
String docType =
"<!doctype html public "-//w3c//dtd html 4.0 " +
"transitional//en">\n";

out.println(docType +
    "<html>\n" +
    "<head><title>" + title + "</title></head>\n" +
    "<body bgcolor=\"#f0f0f0\">\n" +
    "<h1 align=\"center\">" + title + "</h1>\n" +
    "<h2 align=\"center\">Session Infomation</h2>\n" +
    "<table border=\"1\" align=\"center\">\n" +
    "<tr bgcolor=\"#949494\">\n" +
    " <th>Session info</th><th>value</th></tr>\n" +
    "<tr>\n" +
    " <td>id</td>\n" +
    " <td>" + session.getId() + "</td></tr>\n" +
    "<tr>\n" +
    " <td>Creation Time</td>\n" +
    " <td>" + createTime +
    " </td></tr>\n" +
    "<tr>\n" +
    " <td>Time of Last Access</td>\n" +
    " <td>" + lastAccessTime +
    " </td></tr>\n" +
    "<tr>\n" +
    " <td>User ID</td>\n" +
    " <td>" + userID +
    " </td></tr>\n" +
    "<tr>\n" +
    " <td>Number of visits</td>\n" +
    " <td>" + visitCount + "</td></tr>\n" +
    "</table>\n" +
    "</body></html>");
}
}

```

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Output:



The screenshot shows a web browser window with the title 'Session tracking. Hit count Example'. The address bar displays 'http://localhost:8080/ex7/count'. The main content area features the heading 'Session tracking. Hit count Example' and a sub-heading 'Session Infomation'. Below this is a table with session details.

Session info	value
id	1wirm18748jvk11lo4dm590vho
Creation Time	Tue Sep 19 13:11:20 IST 2023
Time of Last Access	Tue Sep 19 13:11:29 IST 2023
User ID	ABCD
Number of visits	12

8.Shopping Cart Using Servlet and Cookies**Program:****LoginServlet.java:**

```
package ex8;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class LoginServlet extends HttpServlet
{
    protected void doPost(HttpServletRequest req, HttpServletResponse res)
throws ServletException,IOException
    {
        res.setContentType("text/html");
        PrintWriter out=res.getWriter();
        String usr=req.getParameter("User");
        String pwd=req.getParameter("password");
        String card=req.getParameter("CardID");

        boolean flag=true;
        String[] userID=getInitParameter("usernames").split(",");
        String[] password=getInitParameter("passwords").split(",");
        String[] cardids=getInitParameter("cardIDs").split(",");
        int i;
        for(i=0;i<userID.length;i++)
        {
            if(userID[i].equals(usr) &&
password[i].equals(pwd)&&cardids[i].equals(card))
            {
                flag=false;
                Cookie cookie1=new Cookie("CurrentUser",usr);
                Cookie cookie2=new Cookie("CreditCard",card);
                res.addCookie(cookie1);
                res.addCookie(cookie2);
                out.println("<h2>Welcome "+usr+"</h2><hr>");
                out.println("<h2>Select the book you would like to purchase<h2><hr>");
                out.println("<form action='LoginSuccess'>");
                out.println("<input type=radio name='book' checked
                                value='Let us C'/>Let us C<br>");
                out.println("<input type=radio name='book'
```

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DEPARTMENT OF CSE

```

                                value='Exploring C'/>Exploring
C<br>");
    out.println("<input type=radio name='book'
                                value='Mastering C'/>Mastering
C<br>");
    out.println("<input type=submit value='purchase'><hr>");

    }
    }
    if(flag==true)
    {
        out.println("<h4>Invalid user name or password or card number
                                ,please try again by clicking following
link</h4>");
        out.println("<a href='loginform.html'>"+ "LoginForm.html");
    }
    }
    }

```

LoginSuccess.java:

```
package ex8;
```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class LoginSuccess extends HttpServlet
{
    protected void doGet(HttpServletRequest req,HttpServletResponse res) throws
    ServletException,IOException
    {
        Cookie[] mycookie=req.getCookies();
        res.setContentType("text/html");
        PrintWriter out=res.getWriter();
        String book=req.getParameter("book");
        out.print("<h2>welcome "+mycookie[0].getValue()+"</h2><hr>");
        out.print("<h3>Thank you for purchasing book:"+book+"</h3><hr>");
        out.print("<h3>Rs.250 debited from credit card: "+mycookie[1].getValue());
        out.close();
    }
}

```

Loginform.html:

```
<!DOCTYPE html>
```

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```

<html>
<head>
<body>
<pre>
<form action="http://localhost:8088/ex8/LoginServlet" method="post">
Enter username:
<input type="text" value="" name="User">

enter password:
<input type="password" value="" name="password">

enter card ID:
<input type="text" value="" name="CardID">

<input type="submit" value="login">
</form>
</pre>
</body>
</html>

```

Web.xml:

```

<?xml version="1.0" encoding="UTF-8"?>
00<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>simpleservlet</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.htm</welcome-file>
    <welcome-file>default.jsp</welcome-file>
  </welcome-file-list>
  <servlet>

    <init-param>

      <param-name>usernames</param-name>

      <param-value>panimalar,nandhu,nade</param-value>

```

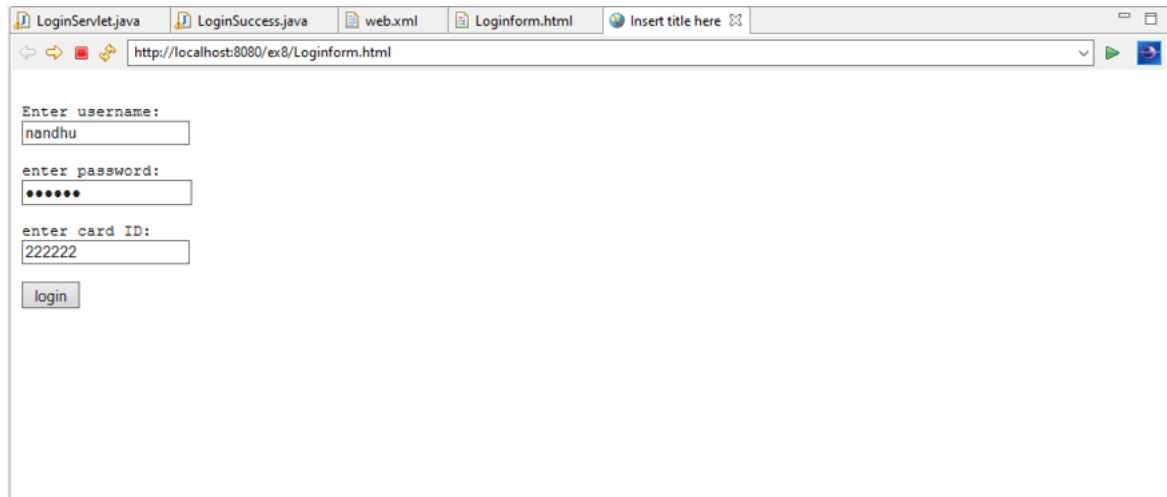
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```
</init-param>
<init-param>
  <param-name>passwords</param-name>
  <param-value>panimalar,nandhu,nade</param-value>
</init-param>
<init-param>
  <param-name>cardIDs</param-name>
  <param-value>111111,222222,333333</param-value>
</init-param>
<servlet-name>LoginServlet</servlet-name>
<servlet-class>shopping.LoginServlet</servlet-class>
</servlet>
<servlet-mapping>
  <servlet-name>LoginServlet</servlet-name>
  <url-pattern>/LoginServlet</url-pattern>
</servlet-mapping>

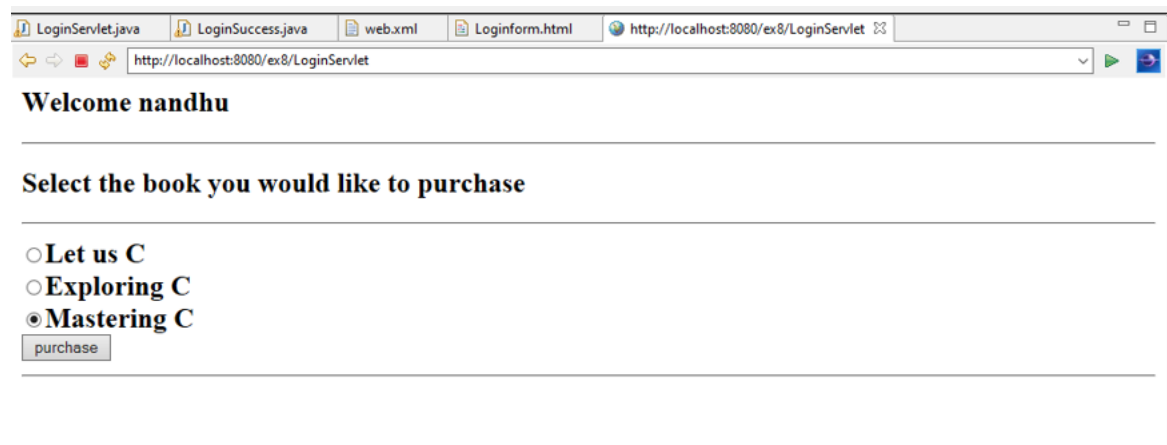
<servlet>
  <servlet-name>LoginSuccess</servlet-name>
  <servlet-class>shopping.LoginSuccess</servlet-class>
</servlet>
<servlet-mapping>
  <servlet-name>LoginSuccess</servlet-name>
  <url-pattern>/LoginSuccess</url-pattern>
</servlet-mapping>
</web-app>
```


PANIMALAR ENGINEERING COLLEGE
DEPARTMENT OF CSE

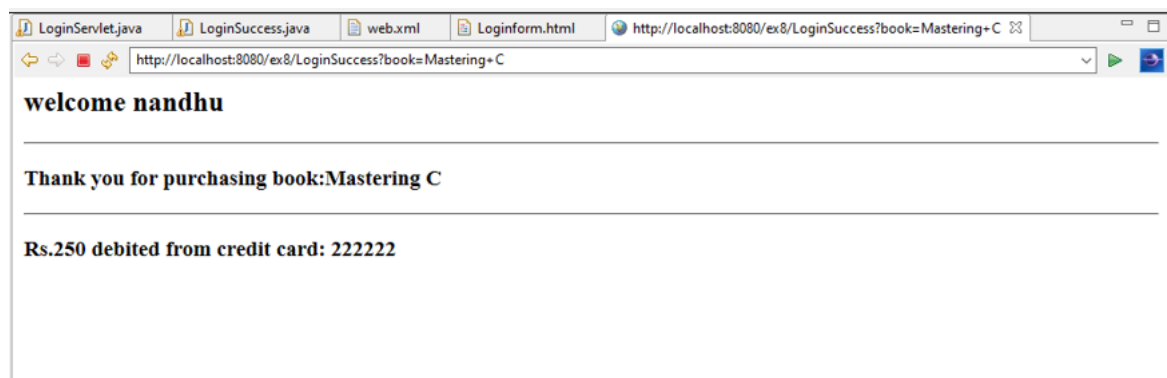
Output:



The screenshot shows a web browser window with the address bar displaying `http://localhost:8080/ex8/Loginform.html`. The browser's tab bar shows four tabs: `LoginServlet.java`, `LoginSuccess.java`, `web.xml`, and `Loginform.html`. The login form contains three input fields: "Enter username:" with the value "nandhu", "enter password:" with masked characters "*****", and "enter card ID:" with the value "222222". A "login" button is located below the input fields.



The screenshot shows a web browser window with the address bar displaying `http://localhost:8080/ex8/LoginServlet`. The browser's tab bar shows four tabs: `LoginServlet.java`, `LoginSuccess.java`, `web.xml`, and `Loginform.html`. The page displays "Welcome nandhu" followed by a horizontal line. Below the line is the text "Select the book you would like to purchase" followed by another horizontal line. There are three radio button options: "Let us C", "Exploring C", and "Mastering C", with "Mastering C" selected. A "purchase" button is located below the radio buttons.



The screenshot shows a web browser window with the address bar displaying `http://localhost:8080/ex8/LoginSuccess?book=Mastering+C`. The browser's tab bar shows four tabs: `LoginServlet.java`, `LoginSuccess.java`, `web.xml`, and `Loginform.html`. The page displays "welcome nandhu" followed by a horizontal line. Below the line is the text "Thank you for purchasing book:Mastering C" followed by another horizontal line. At the bottom, it says "Rs.250 debited from credit card: 222222".