

G.L. Bajaj Institute of Technology and Management Greater Noida



Department of Applied Computational Science & Engineering

Lab File (BCS – 353) Web Designing Workshop

Submitted To:













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Assistant Professor
Department of ACSE

Submitted By:

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Student Name:gdghdfh
Branch:cs
Section:2
Group:

Index

S.No.	Name of experiment	Date of Experiment	Date of Submission	Signature															
1	<p>Design the following static web pages required for an online bookstore website.</p> <p>HOME PAGE: The static home page must contain three frames. Top frame: Logo and the college name and links to Homepage, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below). Left frame: At least four links for navigation, which will display the catalogue of respective links. Right frame: The pages to the links in the left frame must be loaded here. Initially This page contains description of the web site. For example: When you click the link “CSE” the catalogue for CSE Books should be displayed in the Right frame. Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f4a460;"> <th style="width: 15%;">Logo</th> <th colspan="4" style="text-align: center;">Web Site Name</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Home</td> <td style="text-align: center;">Login</td> <td style="text-align: center;">Registration</td> <td style="text-align: center;">Catalogue</td> <td style="text-align: center;">Cart</td> </tr> <tr> <td style="vertical-align: top;">CSE ECE EEE CIVIL</td> <td colspan="4" style="text-align: center; vertical-align: middle;">Description of the WebSite</td> </tr> </tbody> </table>	Logo	Web Site Name				Home	Login	Registration	Catalogue	Cart	CSE ECE EEE CIVIL	Description of the WebSite						
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	<p>4. Price. 5. Add to cart button.</p> <table border="1" data-bbox="301 264 938 712"> <tr> <td data-bbox="301 264 371 342">Logo</td> <td colspan="4" data-bbox="371 264 938 342">WebSite Name</td> </tr> <tr> <td data-bbox="301 342 371 394">Home</td> <td data-bbox="371 342 507 394">Login</td> <td data-bbox="507 342 703 394">Registration</td> <td data-bbox="703 342 791 394">Catalogue</td> <td data-bbox="791 342 938 394">Cart</td> </tr> <tr> <td data-bbox="301 394 371 566">CSE</td> <td data-bbox="371 394 507 566"></td> <td data-bbox="507 394 703 566">Book:XMLBible Author : Winston Publication:Wiely</td> <td data-bbox="703 394 791 566">\$40.5</td> <td data-bbox="791 394 938 566"></td> </tr> <tr> <td data-bbox="301 566 371 712">ECE</td> <td data-bbox="371 566 507 712"></td> <td data-bbox="507 566 703 712">Book :AI Author:S.Russel Publication:Princetonhall</td> <td data-bbox="703 566 791 712">\$63</td> <td data-bbox="791 566 938 712"></td> </tr> <tr> <td data-bbox="301 712 371 745">CIVIL</td> <td data-bbox="371 712 507 745"></td> <td data-bbox="507 712 703 745"></td> <td data-bbox="703 712 791 745"></td> <td data-bbox="791 712 938 745"></td> </tr> </table>	Logo	WebSite Name				Home	Login	Registration	Catalogue	Cart	CSE		Book:XMLBible Author : Winston Publication:Wiely	\$40.5		ECE		Book :AI Author:S.Russel Publication:Princetonhall	\$63		CIVIL												
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5	<p>REGISTRATION PAGE : Create a“ registration form“ with the following fields 1)Name (Text field) 2)Password (password field) 3) E-mailid(text field) 4) Phone Number(text field) 5) Sex(radio button) 6) Date of birth(3 select boxes) 7) Languages known(checkboxes–English, Telugu, Hindi, Tamil) 8) Address(text area)</p>																																	
6	<p>Js VALIDATION: Write JavaScript to validate the following fields of the above registration page. 1. Name (Name should contains alphabets and the length should not be less than 6 characters). 2. Password (Password should not be less than 6 characters length).</p>																																	
7	<p>Js VALIDATION: 1. E-mailid (should not contain any invalid and must follow the standard pattern(name@domain.com) 2. Phone Number (Phone number should contain 10 digits only).</p>																																	

8	<p>CSS: Design a web page using CSS(Cascading Style Sheets) which includes the following:</p> <p>1) Use different font, styles: In the style definition you define how each selector should work (font, color etc.). Then, in the body of your pages, you refer to these selectors to activate the styles.</p> <p>2) Set a background image for both the page and single elements on the page.</p>			
9	<p>CSS:</p> <p>1) Control the repetition of the image with the background-repeat property.</p> <p>2) Define styles for links as A:link A:visited A:active A:hover</p>			
10	<p>Consider a small topic of your choice on which you can develop static Webpages and try to implement all topics of html, CSS and Js within the topic. Choose any one topic.</p> <ol style="list-style-type: none"> 1. Your Own Portfolio 2. To-Do List 3. Survey Form 4. A Tribute Page 5. A Questionnaire 			

EXPERIMENT 1:

1	<p>Design the following static web pages required for an online bookstore website.</p> <p>HOME PAGE: The static home page must contain three frames.</p> <p>Top frame: Logo and the college name and links to Homepage, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below).</p> <p>Left frame: At least four links for navigation, which will display the catalogue of respective links.</p> <p>Right frame: The pages to the links in the left frame must be loaded here. Initially This page contains description of the web site.</p> <p>For example: When you click the link “CSE” the catalogue for CSE Books should be displayed in the Right frame. Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site.</p>
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Logo	Web Site Name			
Home	Login	Registration	Catalogue	Cart
CSE ECE EEE CIVIL	Description of the WebSite			

Step 1: Open the Notepad

Step 2: type code

head.html

```

<html>
<head>
<title>Head Page</title>
</head>
<body>
<font face="Arial Black" size="3">
<table border="1" cellspacing="2" cellpadding="5" width="100%">
<tr>
<td align="center"></td>
<td colspan="4" align="center">Web Site Name</td>
</tr>

</table>
</font>
</body>
</html>

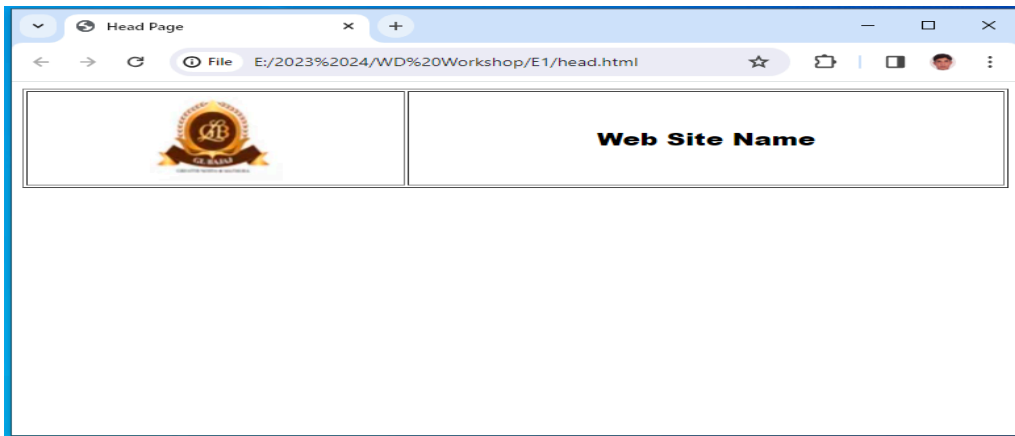
```

Step 3: Save as “head.html”

Step 4: Double click on the saved file (“head.html”)

Output:

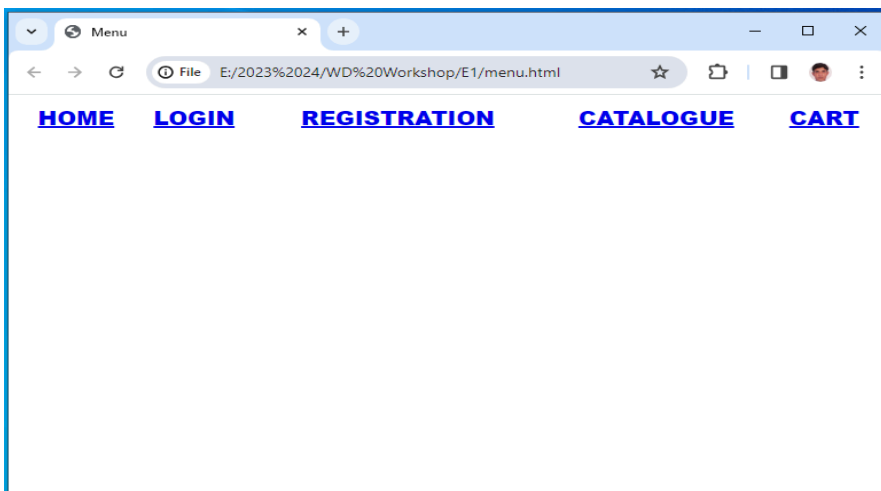
■



menu.html

```
<html>
<head>
<title>Menu</title>
</head>
<body>
<font face="Arial Black" size="3">
<table border="0" cellspacing="2" cellpadding="0" width="100%">
<tr>
<td align="center"><a href="description.html" target="des_page">HOME</a></td>
<td align="center"><a href="login.html" target="des_page">LOGIN</a></td>
<td align="center"><a href="registration.html" target="des_page">REGISTRATION</a>
</td>
<td align="center"><a href="catalogue.html" target="des_page">CATALOGUE</a></td>
<td align="center"><a href="cart.html" target="des_page">CART</a></td>
</tr>
</table>
</font>
</body>
</html>
```

Output:



dept.html

```
<html>
<head>
<title>Departments Page</title>
</head>
<body>
<font face="Arial Black" size="4">
<table align="center" height="100%">
<tr>
<td><a href="cat_CS-DS.html" target="des_page">CS-DS</a></td>
</tr>
<tr>
<td><a href="cat_CS-AI.html" target="des_page">CS-AI</a></td>
</tr>
<tr>
<td><a href="cat_CS-AIML.html" target="des_page">CS-AIML</a></td>
</tr>
</table>
</font>
</body>
</html>
```

Output:**desc.html**

```
<html>
<head>
<title> Description page</title>
</head>
<body>
<br><br><br><br><br><br><br><br><br>
<font face="TIMES NEW ROMAN" size="5">
<center>
```

Description of the Website

```
</center>
```

```
</font>
```

```
</body>
```

```
</html>
```

Output:



Here we combining all four HTML files in to one HTML file.

home.html

```
<html>
```

```
<head>
```

```
<title>Home page</title>
```

```
</head>
```

```
<frameset rows="20,10,70">
```

```
<frame src="head.html" name="head_page" scrolling="NO">
```

```
<frame src="head2.html" name="head2_page">
```

```
<frameset cols="10,55">
```

```
<frame src="dept.html" name="dept_page">
```

```
<frame src="desc.html" name="des_page">
```

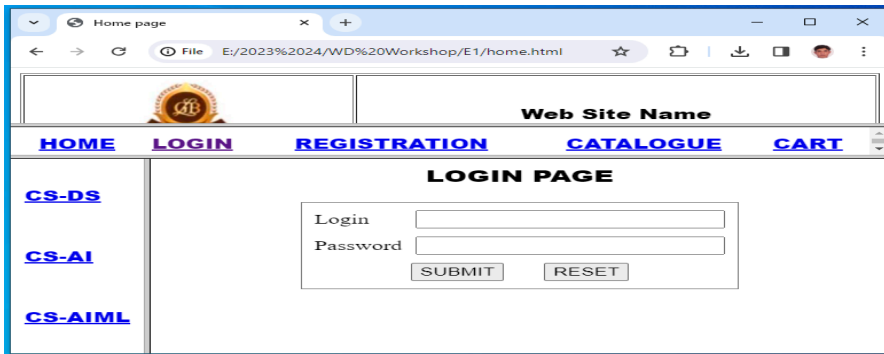
```
</frameset>
```

```
</frameset>
```

```
</html>
```



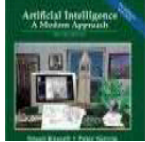
Output:


```
</table></form></center></body></html>
```



EXPERIMENT 3:

3	<p>CATOLOGUE PAGE: The catalogue page should contain the details of all the books available in the website in a table. The details should contain the following:</p> <ol style="list-style-type: none"> 1. Snap shot of Cover Page. 2. Author Name. 3. Publisher. 4. Price. 5. Add to cart button.
---	--

Logo	WebSite Name			
Home	Login	Registration	Catalogue	Cart
CSE		Book:XMLBible Author : Winston Publication:Wiely	\$40.5	
ECE			Book :AI Author:S.Russel Publication:Princetonhall	\$63
EEE				
CIVIL				

Program- catalogue.html

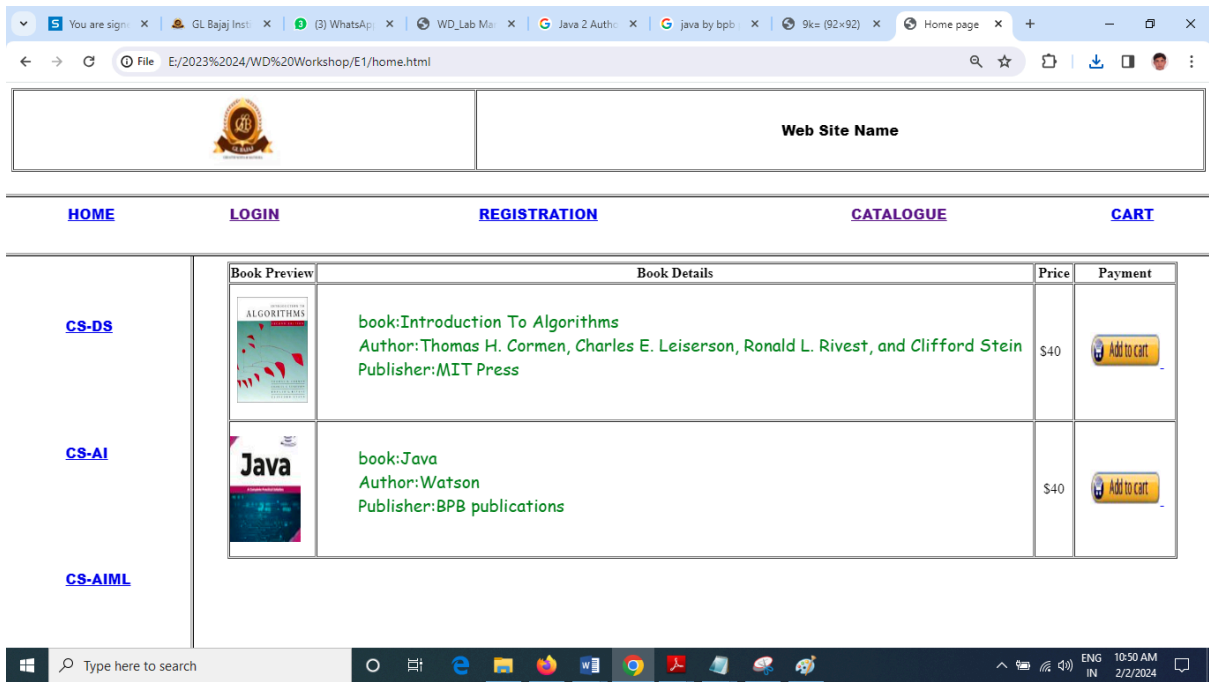
```
<html>
<body>
<center>
<table border=1>
<tr>
<th> Book Preview </th>
<th> Book Details </th>
<th> Price </th>
```

```

<th> Payment </th>
</tr>
<tr>
<td> &nbsp;   
</img>
</td>
<td>
<pre>
<font face="comic sans ms" size=4 color="green" >
book:Introduction To Algorithms
Author:Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein &nbsp;   
Publisher:MIT Press
</font>
</pre>
</td>
<td>&nbsp;   $40 &nbsp;   </td>
<td> &nbsp;   &nbsp;  <a href="cart.html" target="_blank">
</img>
</a> &nbsp;   &nbsp;  
</td>
</tr>
<tr>
<td> 
</img>
</td>
<td>
<pre>
<font face="comic sans ms" size=4 color="green" >
book:Java 2
Author:Watson
Publisher:BPB publications
</font>
</pre>
</td>
<td>&nbsp;   $40 &nbsp;   </td>
<td> &nbsp;   &nbsp;  <a href="cart.html" target="_blank">
</img>
</a> &nbsp;   &nbsp;  
</td>
</tr>
</table> </center>
</body>
</html>

```

Output:



EXPERIMENT 4:

4	<p>CARTPAGE: The cart page contains the details about the books which are added to the cart. The cart page should look like this:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Logo</th> <th colspan="4" style="text-align: center;">Web Site Name</th> </tr> <tr> <th style="text-align: center;">Home</th> <th style="text-align: center;">Login</th> <th style="text-align: center;">Registration</th> <th style="text-align: center;">Catalogue</th> <th style="text-align: center;">Cart</th> </tr> </thead> <tbody> <tr> <td>CSE</td> <td>Book name</td> <td>Price</td> <td>Quantity</td> <td>Amount</td> </tr> <tr> <td>ECE</td> <td>Java 2</td> <td>\$35.5</td> <td>2</td> <td>\$70</td> </tr> <tr> <td>EEE</td> <td>XML bible</td> <td>\$40.5</td> <td>1</td> <td>\$40.5</td> </tr> <tr> <td>CIVIL</td> <td>Total amount</td> <td colspan="3">-\$130.5</td> </tr> </tbody> </table>	Logo	Web Site Name				Home	Login	Registration	Catalogue	Cart	CSE	Book name	Price	Quantity	Amount	ECE	Java 2	\$35.5	2	\$70	EEE	XML bible	\$40.5	1	\$40.5	CIVIL	Total amount	-\$130.5		
Logo	Web Site Name																														
Home	Login	Registration	Catalogue	Cart																											
CSE	Book name	Price	Quantity	Amount																											
ECE	Java 2	\$35.5	2	\$70																											
EEE	XML bible	\$40.5	1	\$40.5																											
CIVIL	Total amount	-\$130.5																													

Program-cart.html

```

<html>
<head>
<title>Cartpage</title>

```

```

</head>
<body>
<center>
<table border=1 width=50 height=10 cellpadding=10 cellspacing=10>
<table width="80%" height="60%" border="2">
<tr>
<th>Book Name</th>
<th>Price</th>
<th>Quantity</th>
<th>Amount ($)</th>
</tr>
<tr>
<td>Introduction To Algorithms</td>
<td><center>$40</center></td>
<td><center>2</center></td>
<td><center>$80</center></td>
</tr>
<tr>
<td>Java</td>
<td><center>$40</center></td>
<td><center>1</center></td>
<td><center>$40</center></td>
</table>
<h3>Total Amount= $120</h3>
</center>
</body>
</html>

```

Output-

	Web Site Name
---	----------------------

CS-DS	<table border="1"><thead><tr><th>Book Name</th><th>Price</th><th>Quantity</th><th>Amount (\$)</th></tr></thead><tbody><tr><td>Introduction To Algorithms</td><td>\$40</td><td>2</td><td>\$80</td></tr><tr><td>Java</td><td>\$40</td><td>1</td><td>\$40</td></tr></tbody></table>	Book Name	Price	Quantity	Amount (\$)	Introduction To Algorithms	\$40	2	\$80	Java	\$40	1	\$40
	Book Name	Price	Quantity	Amount (\$)									
	Introduction To Algorithms	\$40	2	\$80									
Java	\$40	1	\$40										
CS-AI	Total Amount= \$120												
CS-AIML													

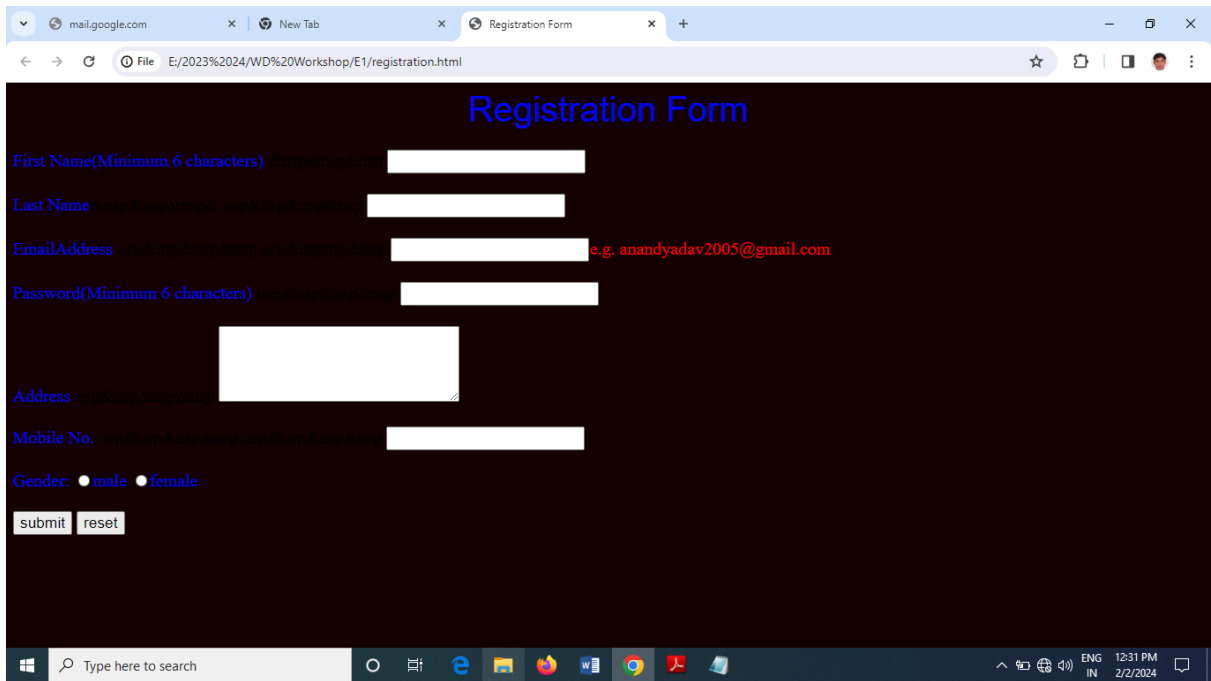
EXPERIMENT 5:

5	REGISTRATION PAGE : Create a “ registration form “ with the following fields 1)Name (Text field) 2>Password (password field) 3) E-mailid(text field) 4) Phone Number(text field) 5) Sex(radio button) 6) Date of birth(3 select boxes) 7) Languages known(checkboxes–English, Telugu, Hindi, Tamil) 8) Address(text area)
---	--

Program- registration.html

```
<html>
<head><title>Registration Form</title></head>
<body bgcolor="#100">
<center><font color="blue" size="6" face="arial">Registration Form</font></center><br>
<form action="rsubmitted.html">
<font color="blue"> First Name(Minimum 6 characters) </font> &nsp&nsp&nsp
<input type='text' id='firstname'><br><br>
<font color="blue">Last Name</font>&nsp&nsp&nsp&nsp &nsp&nsp&nsp&nsp
<input type='text' id='lastname'><br><br>
<font color="blue"> EmailAddress </font> nsp&nsp&nsp&nsp nsp&nspnsp&nsp
<input type='text' id='email'><font color="red">e.g. anandyadav2005@gmail.com</font><br><br>
<font color="blue">Password(Minimum 6 characters)</font> nsp&nsp&nsp&nsp
<input type='password' id='pass'><br><br>
<font color="blue">Address</font> nsp&nsp&nsp&nsp
<textarea rows="4" cols="25" id='address'></textarea> <br><br>
<font color="blue">Mobile No.</font> nsp&nsp&nsp&nsp nsp&nsp&nsp&nsp
<input type='text' id='mobilenos'><br><br>
<font color="blue"> Gender: </font><input type='radio' name="gender"><font color="blue">male</font>
<input type='radio' name="gender"><font color="blue">female</font><br><br>
<input type='Submit' value='submit'>
<input type='Reset' value='reset'>
</form>
</body>
</html>
```

Output-



The image shows a web browser window with a dark-themed registration form. The browser's address bar shows the file path: `E:/2023%2024/WD%20Workshop/E1/registration.html`. The form is titled "Registration Form" in blue text. It contains several input fields: "First Name (Minimum 6 characters)", "Last Name", "Email Address" (with a red example email `e.g. anandyadv2005@gmail.com`), "Password (Minimum 6 characters)", "Address", and "Mobile No.". There are also radio buttons for "Gender" (male and female) and two buttons labeled "submit" and "reset". The Windows taskbar at the bottom shows the search bar, task view, and various application icons, with the system tray displaying the time as 12:31 PM on 2/2/2024.

mail.google.com x New Tab x Registration Form x +

File E:/2023%2024/WD%20Workshop/E1/registration.html ☆

Registration Form

First Name (Minimum 6 characters)

Last Name

Email Address e.g. anandyadv2005@gmail.com

Password (Minimum 6 characters)

Address

Mobile No.

Gender: male female

Type here to search

ENG IN 12:31 PM 2/2/2024

EXPERIMENT 6 & 7:

6	Js VALIDATION: Write JavaScript to validate the following fields of the above registration page. 1. Name (Name should contains alphabets and the length should not be less than 6 characters). 2. Password (Password should not be less than 6 characters length).
7	Js VALIDATION: 1. E-mailid (should not contain any invalid and must follow the standard pattern(name@domain.com) 2. Phone Number (Phone number should contain 10 digits only).

Program- javascript.html

```
<html>
<body>
<script>
function validateform(){
var name=document.myform.name.value;
var password=document.myform.password.value;
var cpassword=document.myform.cpassword.value;
var x=document.myform.email.value;
var atposition=x.indexOf("@");
var dotposition=x.lastIndexOf(".");

if (name==null || name==""){
    alert("Name can't be blank");
    return false;
} else if(name.length<6){
    alert("Name must be at least 6 characters long.");
    return false;
}
else if(password.length<6){
    alert("Password must be at least 6 characters long.");
    return false;
} else if(cpassword.length<6){
    alert("Confirm Password must be at least 6 characters long.");
    return false;
} else if(password!=cpassword){
    alert("Password must be same.")
    return false;
}

var num=document.myform.num.value;
if (isNaN(num)){
    document.getElementById("numloc").innerHTML="Enter Numeric value only";
    return false;
} else if (num==null || num=="")
{
    alert("Number must be of 10 digits");
    return false;
} else if (num.length !=10)
{
    alert("Number must be of 10 digits");
    return false;
}
}
```

```

if (atposition<1 || dotposition<atposition+2 || dotposition+2>=x.length){
  alert("Please enter a valid e-mail address \n atpostion:"+atposition+"\n dotposition:"+dotposition);
  return false;
}
}
</script>

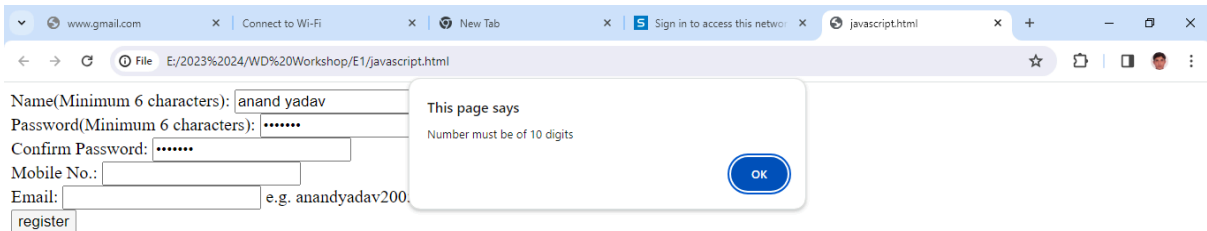
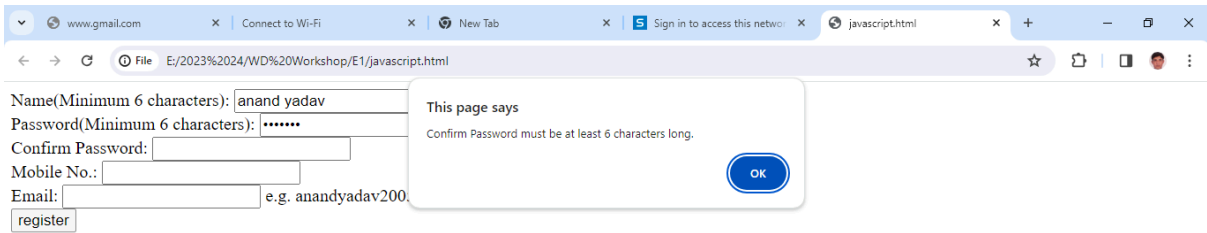
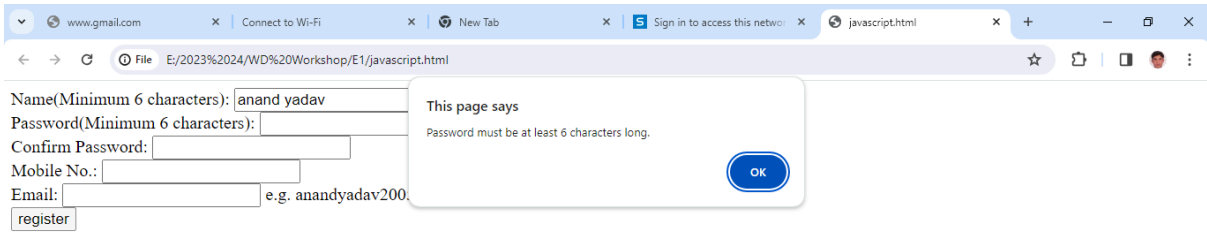
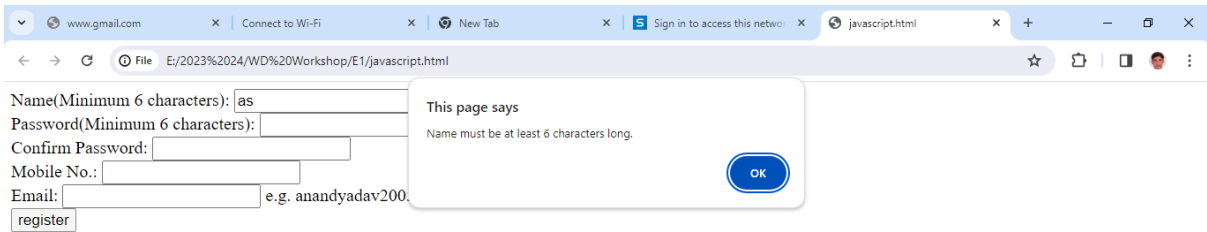
```

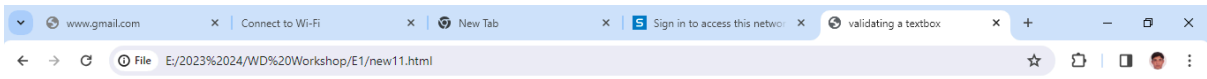
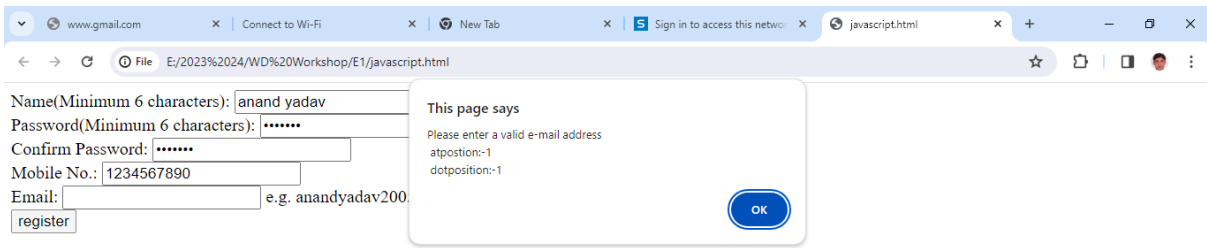
```

<form name="myform" method="post" action="new11.html" onsubmit="return validateform()" >
Name(Minimum 6 characters): <input type="text" name="name"><br/>
Password(Minimum 6 characters): <input type="password" name="password"><br/>
Confirm Password: <input type="password" name="cpassword"><br/>
Mobile No.: <input type="text" name="num"> <span id="numloc"></span><br/>
Email: <input type="text" name="email"> e.g. anandyadav2005@gmail.com<br/>
<input type="submit" value="register">
</form>
</body>
</html>

```

Output-





EXPERIMENT 8:

8	<p>CSS: Design a web page using CSS(Cascading Style Sheets) which includes the following:</p> <ol style="list-style-type: none">1) Use different font, styles: In the style definition you define how each selector should work (font, color etc.). Then, in the body of your pages, you refer to these selectors to activate the styles.2) Set a background image for both the page and single elements on the page.
---	---

EXPERIMENT 9:

9	CSS: 1) Control the repetition of the image with the background-repeat property. 2) Define styles for links as A:link A:visited A:active A:hover
---	---

EXPERIMENT 10:

10	Consider a small topic of your choice on which you can develop static Webpages and try to implement all topics of html, CSS and Js within the topic. Choose any one topic. 1. Your Own Portfolio 2. To-Do List 3. Survey Form 4. A Tribute Page 5. A Questionnaire
----	---

Program- Survey Form

```
<!DOCTYPE html>
<html lang="en">
<head>
<style>
body {background-color: #100; font-family: Times Roman;text-align: center;}
/* Styling the Form (Color, Padding, Shadow) */
form {
background-color: #fff; max-width: 500px; margin: 50px auto; padding: 30px 20px;
box-shadow: 2px 5px 10px rgba(0, 0, 0, 0.5);}
/* Styling form-control Class */
.form-control {text-align: left; margin-bottom: 25px;}
/* Styling form-control Label */
.form-control label {display: block; margin-bottom: 10px;}
/* Styling form-control input, select, textarea */
.form-control input,
.form-control select,
```

```

.form-control textarea {border: 1px solid #777; border-radius: 2px; font-family: inherit;
padding: 10px; display: block; width: 95%;}
/* Styling form-control Radio button and Checkbox */
.form-control input[type="radio"],
.form-control input[type="checkbox"] { display: inline-block; width: auto;}
/* Styling Button */
button {background-color: #05c46b; border: 1px solid #777; border-radius: 2px; font-family:
inherit; font-size: 21px; display: block; width: 100%; margin-top: 50px; margin-bottom:
20px;}
</style>
</head>
<body>
<h1>GLBITM Survey Form</h1>
<!-- Create Form -->
<form id="form">
<!-- Details -->
<div class="form-control">
<label for="name" id="label-name"> Name
</label>
</div>
<!-- Input Type Text -->
<input type="text"
id="name"
placeholder="Enter your name" />
<div class="form-control">
<label for="email" id="label-email"> Email
</label>
</div>
<!-- Input Type Email-->
<input type="email"
id="email"
placeholder="Enter your email" />
<div class="form-control">
<label for="age" id="label-age"> Age
</label>
<!-- Input Type Text -->
<input type="text"
id="age"
placeholder="Enter your age" />
</div>
<div class="form-control">
<label for="role" id="label-role">
Which option best describes you?
</label>
</div>
<!-- Dropdown options -->
<select name="role" id="role">
<option value="student">Student</option>
<option value="intern">Teacher</option>
<option value="professional"> Staff

```

```

</option>
<option value="other">Other</option>
</select>
<div class="form-control">
<label>
Would you recommend GLBITM to a friend?
</label>
<!-- Input Type Radio Button -->
<label for="recommed-1">
<input type="radio"
id="recommed-1" name="recommed">Yes</input>
</label>
<label for="recommed-2">
<input type="radio"
id="recommed-2" name="recommed">No</input>
</label>
<label for="recommed-3">
<input type="radio"
id="recommed-3" name="recommed">Maybe</input>
</label>
</div>
<div class="form-control">
<label>Languages and Frameworks known
<small>(Check all that apply)</small>
</label>
<!-- Input Type Checkbox -->
<label for="inp-1">
<input type="checkbox"
name="inp">C</input></label>
<label for="inp-2">
<input type="checkbox"
name="inp">C++</input></label>
<label for="inp-3">
<input type="checkbox"
name="inp">C#</input></label>
<label for="inp-4">
<input type="checkbox"
name="inp">Java</input></label>
<label for="inp-5">
<input type="checkbox" name="inp">Python</input></label>
<label for="inp-6">
<input type="checkbox" name="inp">JavaScript</input></label>
Any comments or suggestions
</label>
<!-- multi-line text input control -->
<textarea name="comment" id="comment" placeholder="Enter your comment here">
</textarea>
</div>
<!-- Multi-line Text Input Control -->
<button type="submit" value="submit"> Submit </button>

```

</form>

</body>

</html>

Output-

