

1. Design the following static web pages required for an online book store web site.

i. Home page:- must contains three frames

- Top frame: - should contain logo and college name and links to homepage, login page, registration page and catalogue page.
- Left frame: - at least four links for navigation which will display the catalogue of Respective links.
- Right frame: - the pages to links in the left frame must be loaded here initially it Contains the description of the website

ii. Login Page: - should contain Username and Password fields, Submit and reset buttons.

iii. Registration Page: - should contain fields for Username, Password, Confirm Password, Gender, Date of Birth, Email Id, Mobile Number and Address.

iv. Catalogue Page: - The details should contain the following details of books available in a tabular format: Snap shot of Cover Page, Author Name, Publisher details, Price and Add to Cart button.

Home.html

```
<!doctype html>
<html>
<head>
<title>HOME</title>
<link rel="icon" href="D:\Images\homeimage.jpg">
</head>
<body text="black">
```

FSAD LAB

```
<table align="center" width="100%" height="150%>

<tr>

<td colspan="2">

<iframe src="D:\HTML FILES\top1.html" height="150" width="100%">

</iframe></td>

</tr>

<tr>

<td width="180" rowspan="2">

<iframe src="D:\HTML FILES\left1.html" height="435" width="180">

</iframe></td>

<td>

<iframe src="D:\HTML FILES\right.html" name="f" width="100%" height="435">

</iframe>

</td>

</tr>

</table>

</body>

</html>
```

top1.html

```
<!doctype html>

<html>
```

FSAD LAB

```
<head>

<title>top</title>

<link rel="icon" href="D:\Images\geclogo.jpg">

</head>

<body text="blue" bgcolor="#ffe6e6">

<table align="center" width="100%">

<tr>

<td width="15%" align="center">

<imgsrc="D:\Images\geclogo.jpg" width="80" height="80">

</td>

<td colspan="3" width="80%" height="60%" align="center" >

<label style="font-size:25pt;font-family:bookman old style"; width="80" height="80">

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE</label>

</td>

</tr>

<tr><td></td></tr>

<tr>

<td style="font-size:20" align="center" width="30%">

<a href="D:\HTML FILES\homepage1.html" target="f">HOME</td>

<td style="font-size:20" align="center" width="30%">

<a href="D:\HTML FILES\loginpage1.html" target="f">LOGIN</td>
```

FSAD LAB

```
<td style="font-size:20" align="center" width="30%>  
  
<a href="D:\HTML FILES\registerpage1.html" target="f">REGISTER</td>  
  
<td style="font-size:20" align="center" width="30%>  
  
<a href="D:\HTML FILES\cataloguepage1.html" target="f">CATALOGUE</td>  
  
</tr>  
  
</table>  
  
</body>  
  
</html>
```

left1.html

```
<!doctype html>  
  
<html>  
  
<head>  
  
<title>LEFT</title>  
  
</head>  
  
<body text="blue" bgcolor="#ffe6e6">  
  
<ul>  
  
<li><a href="it.html" target="f"><b>IT</b></a></li>  
  
<br>  
  
<br>  
  
<li><a href="cse.html" target="f"><b>CSE</b></a></li>  
  
<br>
```

FSAD LAB

```
<br>

<li><a href="ece.html" target="f"><b>ECE</b></li>

<br>

<br>

<li><a href="eee.html" target="f" ><b>EEE</b></li>

<br>

<br>

</ul>

</body>

</html>
```

right.html

```
<!DOCTYPE html>

<html>

<head>

<title> right</title>

</head>

<body text="blue" bgcolor="#ffe6e6">

<table align="center">

<tr>

<td align="center"><imgsrc="D:\Images\gecphoto.webp" width="90%"></td>

</tr>
```

```
<tr>  
<td align="left"><h2><u>VISION : </u></h2>
```

```
</tr>
```

```
<tr>
```

```
<td align="center"><p>
```

To be a leading institution of engineering education

and research, preparing students for leadership

in their fields in a caring and challenging learning environment.

```
</p></td>
```

```
</tr>
```

```
<tr>
```

```
<td align="left"><h2><u>MISSION :</u></h2>
```

```
</tr>
```

```
<tr>
```

```
<td align="center"><p>
```

To attract and retain knowledgeable, creative, motivated

and highly skilled individuals

```
</p></td>
```

```
</tr>
```

```
</table>
```

```
</body>
```

</html>

registerpage1.html

```
<!doctype html>

<html>

<head>

<title>REGISTER</title>

<link rel="icon" href="D:\Images\registerimage.jpg">

</head>

<body bgcolor="hsl(10,20%,30%)" text="black">

<table align="center" bgcolor="#ffcccc">

<form>

<tr></tr>

<tr>

<td align="left" rowspan="8"></td>

<td align="center"><label>USERNAME</label></td>

<td align="center"> : <input type="text"></td>

</tr>

<tr>

<td align="center"><label>ENTER PASSWORD</label></td>

<td align="center"> : <input type="password"></td>
```

```
</tr>

<tr>

<td align="center"><label>CONFIRM PASSWORD</label></td>

<td align="center"> : <input type="password"></td>

</tr>

<tr>

<td align="center">GENDER</td>

<td align="center">

<select>

<option>SELECT</option>

<option>MALE</option>

<option>FEMALE</option>

<option>OTHERS</option>

</select>

</td>

</tr>

<tr>

<td align="center"><label>DATE OF BIRTH</label></td>

<td align="center"><input type="date"></td>

</tr>

<tr>
```

FSAD LAB

```
<td align="center"><label>MAIL ID</label></td>

<td align="center"> : <input type="email" placeholder="abc@gmail.com"></td>

</tr>

<tr>

<td align="center"><label>MOBILE</label></td>

<td align="center"> : <input type="number" max="10"></td>

</tr>

<tr>

<td align="center"><label>ADDRESS</label></td>

<td align="center" colspan="2" rowspan="10">&nbsp;&nbsp;<textarea cols="20"></textarea>
```

loginpage1.html

```
<!DOCTYPE html>

<html>

<head>

<title> LOGIN</title>
```

FSAD LAB

```
<link rel="icon" href="D:\Images\login logo.png">

</head>

<body bgcolor="hsl(10,20%,30%)" text="black">

<table align="center" bgcolor="#ffcccc">

<form>

<tr></tr>

<tr>

<td align="left" rowspan="5" width=200 height=200>

<td align="center"><label>USERNAME :</label></td>

<td align="center"><input type="text"></td>

</tr>

<tr>

<td align="center"><label>PASSWORD :</label></td>

<td align="center"><input type="password"></td>

</tr>

<tr>

<td align="center" colspan="2"><input type="button" value="SUBMIT"></td>

</tr>

<tr>

<td align="center" colspan="2"><input type="reset" value="RESET"></td>
```

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

cataloguepage1.html

```
<!doctype html>  
  
<html>  
  
<head>  
  
<title>CATALOGUE</title>  
  
<link rel="icon" href="D:\Images\catalogueimage.jpg">  
  
</head>  
  
<body bgcolor="hsl(10,20%,30%)" text="black">  
  
<table align="center" bgcolor="#ffcccc">  
  
<tr>  
 <h3>BOOK</h3></td>  <h3>AUTHOR</h3></td>  <h3>PUBLICATIONS</h3></td>  <h3>COST</h3></td>  <h3>PURCHASE</h3></td> | | | | |
```

```
</tr>

<tr>

<td align="center"><imgsrc="D:\Images\C.jpg" width="150" height="150"></td>
<td align="center">YASHWANTH KANEETHKAR</td>
<td align="center">&nbsp;&nbsp;BPB PUBLICATIONS</td>
<td align="center">Rs 500</td>
<td align="center"><input type="button" value="Add to Cart"></td>
</tr>

<tr>
<td align="center"><imgsrc="D:\Images\java.jpg" width="150" height="150"></td>
<td align="center">SACHIN MALHOTRA</td>
<td align="center">&nbsp;&nbsp;OXFORD</td>
<td align="center">Rs 750</td>
<td align="center"><input type="button" value="Add to Cart"></td>
</tr>

<tr>
<td align="center"><imgsrc="D:\Images\python.jpg" width="150" height="150"></td>
<td align="center">REEMA THAREJA</td>
<td align="center">&nbsp;&nbsp;OXFORD</td>
<td align="center">Rs 600</td>
<td align="center"><input type="button" value="Add to Cart"></td>
```

FSAD LAB

```
</tr>

<tr>

<td align="center"><imgsrc="D:\Images\irs.jpg" width="150" height="150"></td>

<td align="center">NIDHI TYAGI</td>

<td align="center">&nbsp;&nbsp;OXFORD</td>

<td align="center">Rs 750</td>

<td align="center"><input type="button" value="Add to Cart"></td>

</tr>

<tr>

<td align="center"><imgsrc="D:\Images\cybersecurity.jpg" width="150" height="150"></td>

<td align="center">ZACH</td>

<td align="center">&nbsp;&nbsp;MC GREW HILL</td>

<td align="center">Rs 800</td>

<td align="center"><input type="button" value="Add to Cart"></td>

</tr>

<tr>

<td align="center"><imgsrc="D:\Images\socialnetworkanalysis.jpg" width="150" height="150"></td>

<td align="center">TANMOY CHAKRABORTY</td>

<td align="center">&nbsp;&nbsp;BPB PUBLICATIONS</td>

<td align="center">Rs 600</td>
```

FSAD LAB

```
<td align="center"><input type="button" value="Add to Cart"></td>
</tr>

<tr>

<td align="center"><imgsrc="D:\Images\automotiveelectronics.jpg" width="150" height="150"></td>

<td align="center">WILLIAM R</td>

<td align="center">&nbsp;&nbsp;OXFORD</td>

<td align="center">Rs 1200</td>

<td align="center"><input type="button" value="Add to Cart"></td>
</tr>

<tr>

<td align="center"><imgsrc="D:\Images\communicationEngineering.jpg" width="150" height="150"></td>

<td align="center">ANOKH SINGH</td>

<td align="center">&nbsp;&nbsp;MC GREW HILL</td>

<td align="center">Rs 1000</td>

<td align="center"><input type="button" value="Add to Cart"></td>
</tr>

<tr>

<td align="center"><imgsrc="D:\Images\satellitecommunications.jpg" width="150" height="150"></td>

<td align="center">ANIL K MAINA</td>
```

 BPB PUBLICATIONS
Rs 600
<input type="button" value="Add to Cart">
</tr>
<tr>
<imgsrc="D:\Images\eee-1.jpg" width="150" height="150">
J P KOTHARI
 OXFORD
Rs 300
<input type="button" value="Add to Cart">
</tr>
<tr>
<imgsrc="D:\Images\eee-2.jpg" width="150" height="150">
PAUL VEERS
 BPB PUBLICATIONS
Rs 640
<input type="button" value="Add to Cart">
</tr>
<tr>
<imgsrc="D:\Images\eee-3.jpg" width="150" height="150">
N SURESH KUMAR

FSAD LAB

```
<td align="center">&nbsp;&nbsp;OXFORD</td>

<td align="center">Rs 900</td>

<td align="center"><input type="button" value="Add to Cart"></td>

</tr>

</form>

</body>

</html>
```

it.html

```
<!doctype html>

<html>

<head>

<title>IT</title>

</head>

<body bgcolor="hsl(120, 100%, 35%)>

<table align="center" bgcolor="#ffcccc">

<form>

<thead>

<th><u><i>IT BOOKS:</i></u></th>

</thead>

<tr>

<td align="center"><h3><u>BOOK</u></h3></td>
```

FSAD LAB

```
<td align="center"><h3><u>AUTHOR</u></h3></td>

</tr>

<tr></tr>

<tr></tr>

<tr>

<td align="center"><imgsrc="D:\Images\C.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;YASHWANTH KANEETHKAR</td><br>

</tr>

<tr></tr>

<tr></tr>

<tr>

<td align="center"><imgsrc="D:\Images\java.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;SACHIN MALHOTRA</td>

</tr>

<tr></tr>

<tr></tr>

<tr>

<td align="center"><imgsrc="D:\Images\python.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;REEMA THAREJA</td>

</tr>

<tr></tr>
```

```
<tr></tr>  
  
</form>  
  
</body>  
  
</html>
```

cse.html

```
<!doctype html>  
  
<html>  
  
<head>  
  
<title>CSE</title>  
  
</head>  
  
<body>  
  
<body bgcolor="hsl(10,20%,30%)" text="black">  
  
<table align="center" bgcolor="#ffcccc">  
  
<form>  
  
<thead>  
  
<th><u><i>CSE BOOKS:</i></u></th>  
  
</thead>  
  
<tr>  
  
<td align="center"><h3><u>BOOK</u></h3></td>  
  
<td align="center"><h3><u>AUTHOR</u></h3></td>  
  
</tr>
```

FSAD LAB

```
<tr></tr>

<tr></tr>

<tr>

<td align="center"><imgsrc="D:\Images\irs.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;NIDHI TYAGI</td>

</tr>

<tr></tr>

<tr></tr>

<tr>

<td align="center"><imgsrc="D:\Images\cybersecurity.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;ZACH</td>

</tr>

<tr></tr>

<tr></tr>

<tr>

<td align="center"><imgsrc="D:\Images\socialnetworkanalysis.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;TANMOY CHAKRABORTY</td>

</tr>

<tr></tr>

<tr></tr>
```

```
</form>
```

```
</body>
```

```
</html>
```

ece.html

```
<!doctype html>
```

```
<html>
```

```
<head>
```

```
<title>ECE</title>
```

```
</head>
```

```
<body>
```

```
<body bgcolor="hsl(10,20%,30%)" text="black">
```

```
<table align="center" bgcolor="#ffcccc">
```

```
<form>
```

```
<thead>
```

```
<th><u><i>ECE BOOKS:</i></u></th>
```

```
</thead>
```

```
<tr>
```

```
<td align="center"><h3><u>BOOK</u></h3></td>
```

```
<td align="center"><h3><u>&nbsp;&nbsp;&nbsp;AUTHOR</u></h3></td>
```

```
</tr>
```

```
<tr>
```

FSAD LAB

```
<td align="center"><imgsrc="D:\Images\automotiveelectronics.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;WILLIAM R</td>

</tr>

<tr></tr>

<tr></tr>

<tr>

<td align="center"><imgsrc="D:\Images\communicationEngineering.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;ANOKH SINGH</td>

</tr>

<tr></tr>

<tr></tr>

<tr>

<td align="center"><imgsrc="D:\Images\satellitecommunications.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;ANIL K MAINA</td>

</tr>

<tr></tr>

<tr></tr>

</form>

</body>
```

</html>

eee.html

```
<!doctype html>

<html>

<head>

<title>EEE</title>

</head>

<body>

<body bgcolor="hsl(10,20%,30%)" text="black">

<table align="center" bgcolor="#ffcccc">

<form>

<thead>

<th><u><i>EEE BOOKS:</i></u></th>

</thead>

<tr>

<td align="center"><h3><u>BOOK</u></h3></td>

<td align="center"><h3><u>&nbsp;&nbsp;&nbsp;AUTHOR</u></h3></td>

</tr>

<tr>

<td align="center"><imgsrc="D:\Images\eee-1.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;J P KOTHARI</td>
```

FSAD LAB

```
</tr>

<tr>

<td align="center"><imgsrc="D:\Images\eee-2.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;PAUL VEERS</td>

</tr>

<tr>

<td align="center"><imgsrc="D:\Images\eee-3.jpg" width="150" height="150"></td>

<td align="center">&nbsp;&nbsp;&nbsp;N SURESH KUMAR</td>

</tr>

</form>

</body>

</html>
```

Output:

HOME PAGE:

The screenshot shows the homepage of Seshadri Rao Gudlavalleru Engineering College. The header features the college's name in blue text and its logo. Below the header, there are navigation links for HOME, LOGIN, REGISTER, and CATALOGUE. On the left, there is a sidebar with links for II, CSE, ECE, and EEE. The main content area contains a large image of the college building and a section titled 'VISION' with a brief statement.

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

HOME LOGIN REGISTER CATALOGUE

• II
• CSE
• ECE
• EEE

VISION :

To be a leading institution of engineering education and research, preparing students for leadership in their fields in a caring and challenging learning environment.

LOGIN PAGE:

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

HOME LOGIN REGISTER CATALOGUE

- II
- CSE
- ECE
- EEE

LOGIN HERE...

STUDENT LOGIN

USERNAME :

PASSWORD :

Registration page

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

HOME LOGIN REGISTER CATALOGUE

- II
- CSE
- ECE
- EEE

REGISTER

USERNAME :

ENTER PASSWORD :

CONFIRM PASSWORD :

GENDER : selected

DATE OF BIRTH : dd-mm-yyyy

MAIL ID : abc@gmail.com

MOBILE :

ADDRESS :

books page

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

HOME LOGIN REGISTER CATALOGUE

- II
- CSE
- ECE
- EEE

IT BOOKS:

BOOK	AUTHOR
Let Us C	YASHWANTH KANEETHKAR
Programming in Java	SACHIN MALHOTRA

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

HOME LOGIN REGISTER CATALOGUE

- II
- CSE
- ECE
- EEE

BOOK	AUTHOR	PUBLICATIONS	COST	PURCHASE
Let Us C	YASHWANTH KANEETHKAR	BPP PUBLICATIONS	Rs 500	<input type="button" value="Add to Cart"/>
Programming in Java	SACHIN MALHOTRA	OXFORD	Rs 750	<input type="button" value="Add to Cart"/>
Python				

2. Design a web page using CSS which includes the following:

- i. Use different font and text properties.
- ii. Set a background image for both the page and single element on the page.
- iii. Define styles for links.
- iv. Add Customized cursors.

i. Use different font and text properties.

Program:

```
<html>
<head>
<title>different font and text properties</title>
<style>
body{
background-image:linear-gradient(pink,lightgreen,cyan);
}
#v{
color:hotpink;
text-align:center;
font-weight:bolder;
font-family:Algerian;
}
```

FSAD LAB

```
h1{  
    text-shadow:2pt 1pt green,2pt 1pt teal;  
    text-decoration:underline wavy green;  
    font-style:Italic;  
    font-size:xx-large;  
    text-align:center;  
    text-transform:capitalize;  
    font-variant:small-caps;  
}  
</style>  
</head>  
<body>  
<h1>Login Information</h1>  
<table style="margin-left:auto; margin-right:auto;">  
<tr>  
    <td id="v"><label>Enter User name</label></td>  
    <td style="border-style:solid;"><input type="text"></td>  
</tr><br>  
<tr>  
    <td id="v"><label>Enter Password</label></td>  
    <td style="border-style:double;"><input type="password"></td>
```

FSAD LAB

```
</tr><br>

<tr>

    <td id="v"><label>Confirm Password</label></td>

    <td style="border-style:groove"><input type="password"></td>

</tr><br>

<tr style="text-align:center;">

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

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

</tr>

</table>

</body>

</html>
```

Output:

LOGIN INFORMATION

ENTER USER NAME
ENTER PASSWORD
CONFIRM PASSWORD

Submit Reset

ii. Set a background image for both the page and single element on the page.

Program:

```
<html>  
<head>  
<style>  
body  
{  
background-image:url("C:/Users/sathw/Downloads/reg.jpg");  
}  
.a1{  
background-image:linear-gradient(pink,lightgreen,cyan);  
}  
.a2{  
background-image:conic-gradient(mediumspringgreen,hotpink,teal);  
}  
.a3  
{  
border-style:solid;  
}  
</style>  
</head>
```

```
<body>

<fieldset style="background-color:hotpink;">

<legend class="a1" style="font-size:xx-large;">registration form</legend>

<form>

<table align="center">

<tr>

<td class="a2">username</td>

<td class="a3"><input type="text"></td>

</tr>

<tr>

<td style="background-color:red;">password</td>

<td><input type="password"></td>

</tr>

<tr>

<td class="a1">confirm password</td>

<td class="a3"><input type="password"></td>

</tr>

<tr>

<td class="a2">Gender</td>

<td>

<select>
```

FSAD LAB

```
<option>male</option>  
  
<option>female</option>  
  
<option>others</option>  
  
</select>  
  
</td>  
  
</tr>  
  
<tr>  
    <td class="a2">date of birth</td>  
    <td class="a3"><input type="date"></td>  
    </tr>  
  
<tr>  
    <td class="a2">Email Id</td>  
    <td class="a3"><input type="mail"></td>  
    </tr>  
  
<tr>  
    <td class="a1">Mobile Number</td>  
    <td class="a3"><input type="number"></td>  
    </tr>  
  
<tr>  
    <td class="a2">Address</td>  
    <td class="a3"><input type="text"></td>
```

```
</tr>  
</form>  
</table>  
</frameset>  
</body>  
</html>
```

Output:

The screenshot shows a registration form titled "registration form". The form consists of several input fields: "username" (text input), "password" (text input), "confirm password" (text input), "Gender" (dropdown menu showing "male"), "date of birth" (text input with placeholder "dd-mm-yyyy" and a calendar icon), "Email Id" (text input), "Mobile Number" (text input), and "Address" (text input). The background of the page has a decorative pattern of clouds.

iii. Define styles for links.

Program:

```
<html>
```

```
  <head>  
    <title>Top frame</title>  
    <style>  
      .k {
```

FSAD LAB

```
background-image:url("C:/Users/sathw/Downloads/topimg.jpg");  
background-repeat:repeat-x;  
}  
  
.a1  
{cursor:alias;}  
  
.a2  
{cursor:progress;}  
  
.a3  
{cursor:help;}  
  
.a4  
{cursor:wait;}  
  
a:link  
{  
color:darkblue;  
background-color:pink;  
}  
  
a:visited  
{  
color:yellow;  
background-color:blue;  
}
```

```
a:hover
{
    color:darkred;
    background-color:green;
}

a:active
{
    color:hotpink;
    background-color:yellow;
}

</style>
</head>
<body>
<table align="center" width="100%" >
<tr class="k" style="color:red;">
    <td align="center" width="6%"><imgsrc="C:\Users\sathw\Downloads\logo.jpg"
width="60" height="60"></td>
    <td width="70%" align="center" colspan="3">
        <h1><i><marquee>Seshadri Rao Gudlavalleru Engineering
College</marquee><i><h1></td>
    </tr>
<tr align="center">
```

FSAD LAB

```
<td class="a1"><a href="first.html" target="f">HOME</td>  
  
<td class="a2"><a href="login.html" target="f">LOGIN</td>  
  
<td class="a3"><a href="reg.html" target="f">REGISTER</td>  
  
<td class="a4"><a href="catalog.html" target="f">CATALOGUE</td>  
  
</tr>  
  
</table>  
  
</body>  
  
</html>
```

Output:



iv. Add Customized cursors.

Program:

Above code



The screenshot shows a web-based login interface for a college. At the top, there is a banner featuring the college's crest and the text "Udayavalleru Engineering College". Below the banner, there are four navigation links: "HOME", "LOGIN", "REGISTER", and "CATALOGUE". On the left side, there is a vertical sidebar with a list of departments: "IT", "CSE", "ECE", and "EEE". The main content area has a pink-to-green gradient background and contains the heading "LOGIN INFORMATION" in green. It includes three input fields labeled "ENTER USER NAME", "ENTER PASSWORD", and "CONFIRM PASSWORD", each with a corresponding text input box. Below these fields are two buttons: "Submit" and "Reset". A decorative blue airplane graphic is visible on the right side of the page.

3. Write an XML file which will display the Book information which includes the following:

Title of the book, Author Name, ISBN number, Publisher name, Edition and Price. Validate the above document using DTD.

book.dtd

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

<!DOCTYPE Book[

<!ELEMENT books (title,author,isbn,publisher,edition,price)>

<!ELEMENT title (#PCDATA)>

<!ELEMENT author (#PCDATA)>

<!ELEMENT isbn (#PCDATA)>

<!ELEMENT publisher (#PCDATA)>

<!ELEMENT edition (#PCDATA)>

<!ELEMENT price (#PCDATA)>

]>
```

book.xml

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

<!DOCTYPE Book SYSTEM "book.dtd">

<Book>

<books>

<title>LET US C</title>

<author>YASHWANTH</author>
```

```
<isbn>40123</isbn>

<publisher>PBP</publisher>

<edition>4th</edition>

<price>400Rs</price>

</books>

<books>

<title>PROGRAMMING WITH JAVA</title>

<author>SACHIN MALHOTRA</author>

<isbn>4044</isbn>

<publisher>MC GREW HILL</publisher>

<edition>8th</edition>

<price>750Rs</price>

</books>

<books>

<title>PYTHON</title>

<author>REEMA THAREJA</author>

<isbn>1234</isbn>

<publisher>OXFORD</publisher>

<edition>3RD</edition>

<price>650Rs</price>

</books>
```

```
<books>

<title>'C++ Primer</title>

<author> Stanley B. Lippman</author>

<isbn>40123</isbn>

<publisher>Addison-Wesley</publisher>

<edition>KINDLE</edition>

<price>558Rs</price>

</books>

<books>

<title>PROGRAMMING IN C#</title>

<author>E BALAGURUSWAMY</author>

<isbn>9351343189</isbn>

<publisher>McGraw Hill Education</publisher>

<edition>4th</edition>

<price>673Rs</price>

</books>

<books>

<title>THE RUBY PROGRAMMING LANGUAGE</title>

<author>Yukihiro Matsumoto</author>

<isbn>9780596106911</isbn>

<publisher>O'Reilly Media</publisher>
```

```
<edition>1st</edition>  
  
<price>443Rs</price>  
  
</books>  
  
</Book>
```

Output:

```
--<Book>  
--<books>  
  <title>LET US C</title>  
  <author>YASHWANTH</author>  
  <isbn>40123</isbn>  
  <publisher>PBP</publisher>  
  <edition>4th</edition>  
  <price>400Rs</price>  
</books>  
--<books>  
  <title>PROGRAMMING WITH JAVA</title>  
  <author>SACHIN MALHOTRA</author>  
  <isbn>4044</isbn>  
  <publisher>MC GRAW HILL</publisher>  
  <edition>8th</edition>  
  <price>750Rs</price>  
</books>  
--<books>  
  <title>PYTHON</title>  
  <author>REEMA THAREJA</author>  
  <isbn>1234</isbn>  
  <publisher>OXFORD</publisher>  
  <edition>3RD</edition>  
  <price>650Rs</price>  
</books>  
--<books>  
  <title>'C++ Primer</title>  
  <author> Stanley B. Lippman</author>  
  <isbn>40123</isbn>  
  <publisher>Addison-Wesley</publisher>  
  <edition>KINDLE</edition>  
  <price>558Rs</price>  
</books>  
--<books>  
  <title>PROGRAMMING IN C#</title>  
  <author>E BALAGURUSWAMY</author>  
  <isbn>9351343189</isbn>  
  <publisher>McGraw Hill Education</publisher>  
  <edition>4th</edition>  
  <price>673Rs</price>  
</books>  
--<books>  
  <title>THE RUBY PROGRAMMING LANGUAGE</title>  
  <author>Yukihiro Matsumoto</author>  
  <isbn>9780596106911</isbn>  
  <publisher>O'Reilly Media</publisher>  
  <edition>1st</edition>  
  <price>443Rs</price>  
</books>  
</Book>
```

4. Using JavaScript and Regular expressions validate all the fields of:

i. Login page.

ii. Registration page.

i) Login.html

```
<html>

<body style="background-image:linear-gradient(red,white,yellow)">

<script>

let c=0;

function validate()

{

var a=document.getElementById("v").value;

var b=document.getElementById("p").value;

if(a!="" | | b!="")

alert('Login SUCCESS');

else

alert('must fill the filedls');

}

function reset()

{

document.getElementById("v").value="";

document.getElementById("p").value="";
```

```
}
```

```
function uservalidation()
```

```
{
```

```
c++;
```

```
var a=/[\w]+$/;
```

```
var b=document.getElementById("v").value;
```

```
if(!a.test(b))
```

```
alert("invalid username");
```

```
}
```

```
</script>
```

```
<fieldset>
```

```
<legend>Login Information</legend>
```

```
<table align="center" >
```

```
<tr>
```

```
<td align="center"><label>Enter user name</label></td>
```

```
<td align="center"><input type="text" id="v" onchange="uservalidation()"></td>
```

```
</tr>
```

```
<tr>
```

```
<td align='center'><label>Enter password</label></td>
```

```
<td align="center"><input type="password" id="p">
```

```
</td>
```

```
</tr>

<tr>

<td align="center" colspan="4"><input type="submit" onclick="validate()"></td>

</tr>

<tr>

<td align="center" colspan="4"><input type="reset" onclick="reset()"></td>

</tr>

</table>

</fieldset>

</body>

</html>
```

Output:

Login Information

Enter user name: sobhan

Enter password: *****

Submit

Reset

registration.html

```
<html>

<body style="background-color:cyan">

<script>

let c=0;

function validate()
```

```
{  
  
var a=document.getElementById("s").selectedIndex;  
  
if(c==5&&a!=0)  
  
alert("Registered successfully....");  
  
else  
  
alert("Must fill all fields");  
  
}  
  
function reset()  
  
{  
  
document.getElementById("d").value="";  
  
document.getElementById("p1").value="";  
  
document.getElementById("p2").value="";  
  
document.getElementById("v").value="";  
  
document.getElementById("m1").value="";  
  
document.getElementById("m2").value="";  
  
document.getElementById("s").selectedIndex=0;  
  
document.getElementById("ta").value="";  
  
}  
  
function datevalidate()  
  
{  
  
++c;
```

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```
var a=new Date(document.getElementById("d").value);

if(new Date()<a)

{

alert('invalid date');

document.getElementById("d").value=""

}

}

functionpwdvalidate()

{

++c;

varpwd=document.getElementById("p1").value;

var p=/^(?=.*\d)(?=.*[A-Z])(?=.*[a-z])(?=.*[~!@#$&])[a-zA-Z0-9~!@#$&]{10,16}$/;

if(!p.test(pwd))

alert("Password must contains atleast 10 Characters with 1 digit, 1 upper case and one special symbol");

}

functionconfirmvalidate()

{

++c;

var a=document.getElementById("p1").value;

var b=document.getElementById("p2").value;
```

```
if(a!=b)

    alert("Confirm password and password not match");

}

function uservalidation()

{

++c;

var a=/[\w]+$/;

var b=document.getElementById("v").value;

if(!a.test(b))

    alert("invalid username");

}

function mailvalidation()

{

++c;

var c=/[a-zA-Z0-9]+@[a-zA-Z]+\.[a-zA-Z]{2,3}\$/;

var d=document.getElementById("m1").value;

if(!c.test(d))

    alert("invalid mail");

}

function mobilevalidation()

{
```

```
++c;  
  
var e=/[6-9]+\d{9}$/;  
  
var f=document.getElementById("m2").value;  
  
if(!e.test(f))  
  
alert("invalid mobile");  
  
}  
  
</script>  
  
<fieldset>  
  
<legend>Registration page</legend>  
  
<table align="center" bgcolor="orange">  
  
<tr>  
  
<td rowspan="9"><imgsrc="d:login.jpg" width=200 height=200></td>  
  
</tr>  
  
<tr>  
  
<td align="center"><label>Enter Username</label>  
  
</td>  
  
<td align="center"><input type="text" id="v" onchange="uservalidation()"></td>  
  
</tr>  
  
<tr>  
  
<td align='center'><label>Enter password</label></td>  
  
<td align="center"><input type="password" id="p1" onchange="pwdvalidate()">
```

FSAD LAB

```
</td>

</tr>

<tr>

<td align="center"><label>Confirm Password</label></td>

<td align="center"><input type="password" id="p2"
onchange="confirmvalidate()"></td>

</tr>

<tr>

<td align="center"><label>Gender</label></td>

<td align="center"><select
id="s"><option>select</option><option>Male</option><option>Female</option></se
lect>

</tr>

<tr>

<td align = "center"><label>Date Of Birth</label></td>

<td align="center"><input type="date" id="d" onchange="datevalidate()">
</td>

</tr>

<tr>

<td align="center"><label>Email Id</label></td>

<td align="center"><input type="mail" name="m" id="m1"
onchange="mailvalidation()"></td>
```

FSAD LAB

```
</tr>

<tr>

<td align="center"><label>Mobile</label></td>

<td align="center"><input type="text" min=0 max=9 id="m2"
onchange="mobilevalidation()"></td>

</tr>

<tr>

<td align="center"><label>Address</label></td>

<td><textarea rows="5" cols="20" id="ta"></textarea></td>

</tr>

<tr>

<td align="center"><input type="reset" onclick="reset()">

<td align="center">

<input type="submit" value="Register" onclick="validate()"></td>

</tr>

</table>

</fieldset>

</body>

</html>
```

Output:



5. Design a web page using jQuery to demonstrate

- i. Hide, show, fading and sliding effects.
- ii. Keyboard, mouse and form events

HIDE&SHOW:

```
<html>  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js">  
</script>  
<fieldset style="text-align:center;background-color:Khaki">  
<br><br>  
<button id="b1">hide</button>  
<button id="b2">show</button>  
<button id="b3">Toggle</button>  
<button id="b4">stop</button>  
</fieldset>
```

```
<script>

$(document).ready(function(){

  $("#b1").click(function(){
    $("#p").hide(7000,function(){alert("image is Hiden")});

  });

  $("#b2").click(function(){
    $("#p").show(7000,function(){alert("image is Shown")});

  });

  $("#b3").click(function(){
    $("#p").toggle(6000,function(){alert("image is hiden")});
    $("#p").toggle(8000,function(){alert("image is shown")});

  });

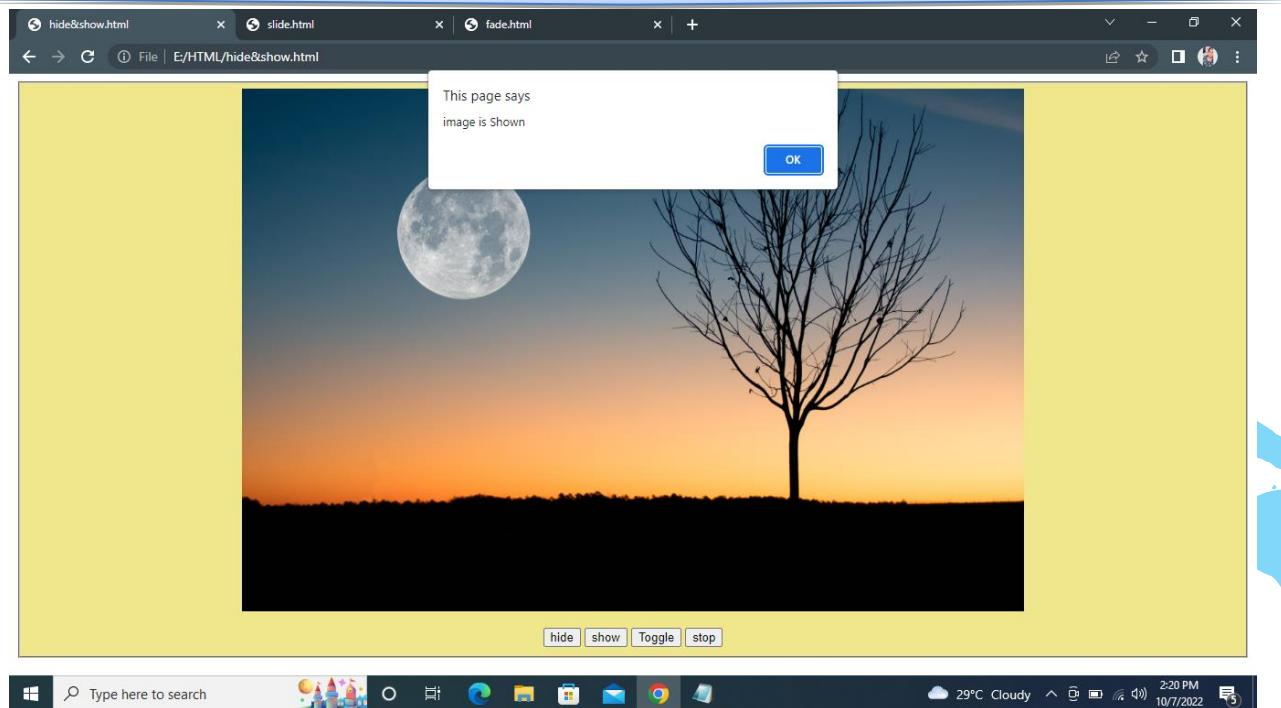
  $("#b4").click(function(){
    $("#p").stop(2000);

  });

});

</script>

</html>
```



FADING:

```
<html>  
  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js">  
  
</script>  
  
<fieldset style="text-align:center;background-color:DeepSkyBlue">  
  
 <br><br>  
  
<button id="b1">fadeIn</button>  
  
<button id="b2">fadeOut</button>  
  
<button id="b3">fadeToggle</button>  
  
<button id="b4">fadeTo</button>  
  
<button id="b5">stop</button>
```

FSAD LAB

```
</fieldset>

<script>

$(document).ready(function(){

$("#b1").click(function(){

$("#p").fadeIn(2000,function(){alert("image is fadeIn")});

});

$("#b2").click(function(){

$("#p").fadeOut(2000,function(){alert("image is fadeOut")});

});

$("#b3").click(function(){

$("#p").fadeToggle(2000,function(){alert("image is fadetoggle hiden")});

$("#p").fadeToggle(4000,function(){alert('image is fadetoggle shown')});

});

$("#b4").click(function(){

$("#p").fadeTo(2000,"0.40");

});

$("#b5").click(function(){

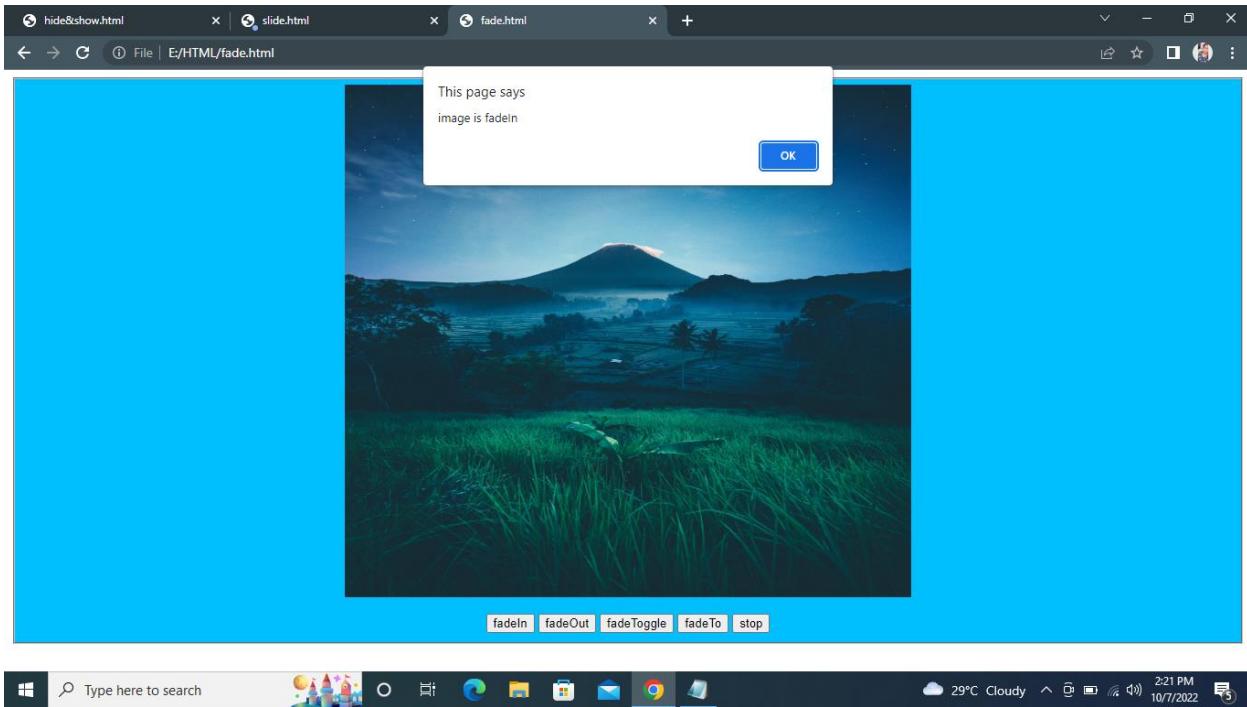
$("#p").stop(2000);

});

});

</script>
```

```
</html>
```



SLIDING:

```
<html>  
  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js">  
</script>  
  
<fieldset style="text-align:center;background-color:SlateBlue">  
  
 <br><br>  
  
<button id="b1">slideUp</button>  
  
<button id="b2">slideDown</button>  
  
<button id="b3">slideToggle</button>  
  
<button id="b4">stop</button>
```

FSAD LAB

```
</fieldset>

<script>

$(document).ready(function(){

$("#b1").click(function(){

$("#p").slideUp(7000,function(){alert("image is slideUp")});

});

$("#b2").click(function(){

$("#p").slideDown(7000,function(){alert("image is slideDown")});

});

$("#b3").click(function(){

$("#p").slideToggle(5000,function(){alert("image is slidetoggle hiden")});

$("#p").slideToggle(8000,function(){alert("image is slidetoggle shown")});

});

$("#b4").click(function(){

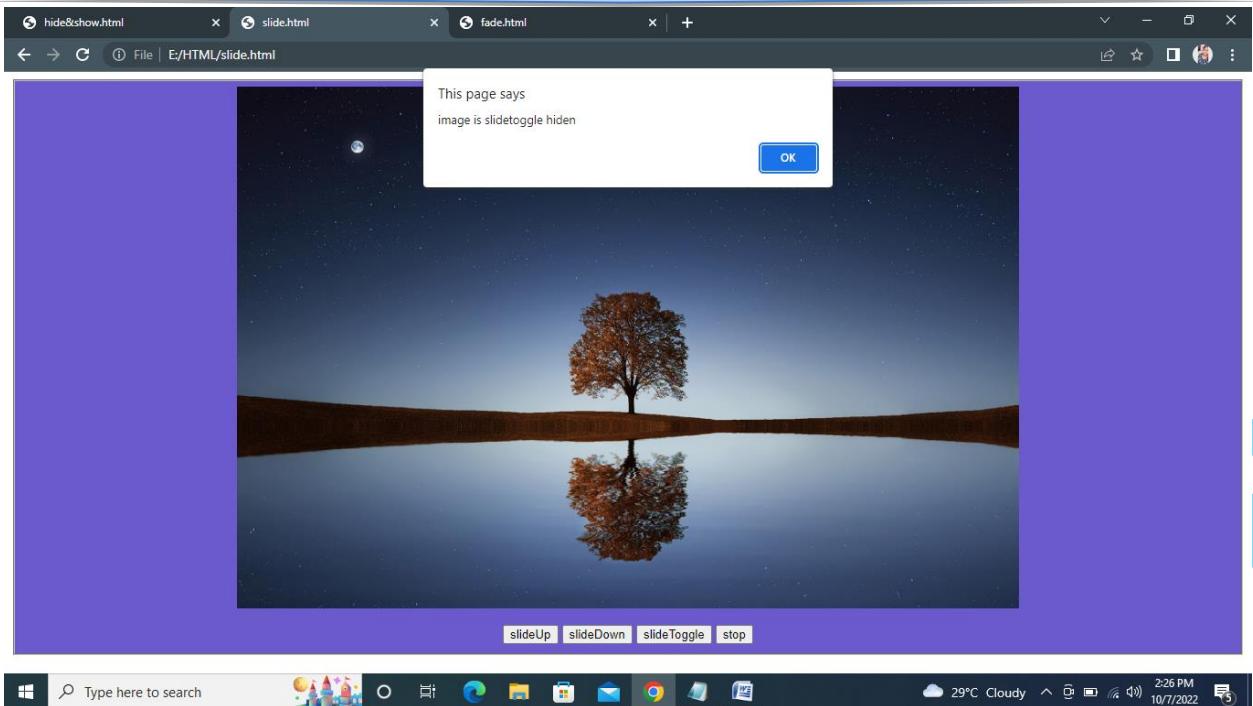
$("#p").stop(2000);

});

});

</script>

</html>
```



KEYBOARD EVENTS:

```
<html>  
  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js">  
</script>  
  
<body id="t2" class="t1">  
  
<form>  
  
<table>  
  
<tr align="center">  
  
<td><label>enter user name</label></td>  
  
<td><input type="text" class="t1"></td>  
  
</tr>  
  
<tr align="center">
```

FSAD LAB

```
<td><label>password</label></td>

<td><input type="password" id="t2"></td>

</tr>

</form>

</table>

<script>

$(document).ready(function(){

  $(".t1").keypress(function(){

    $(".t1").css("background-color","red");

  });

  $(".t1").keyup(function(){

    $(".t1").css("background-color","teal");

  });

  $(".t2").keydown(function(){

    $(".t2").css("background-color","yellow");

  });

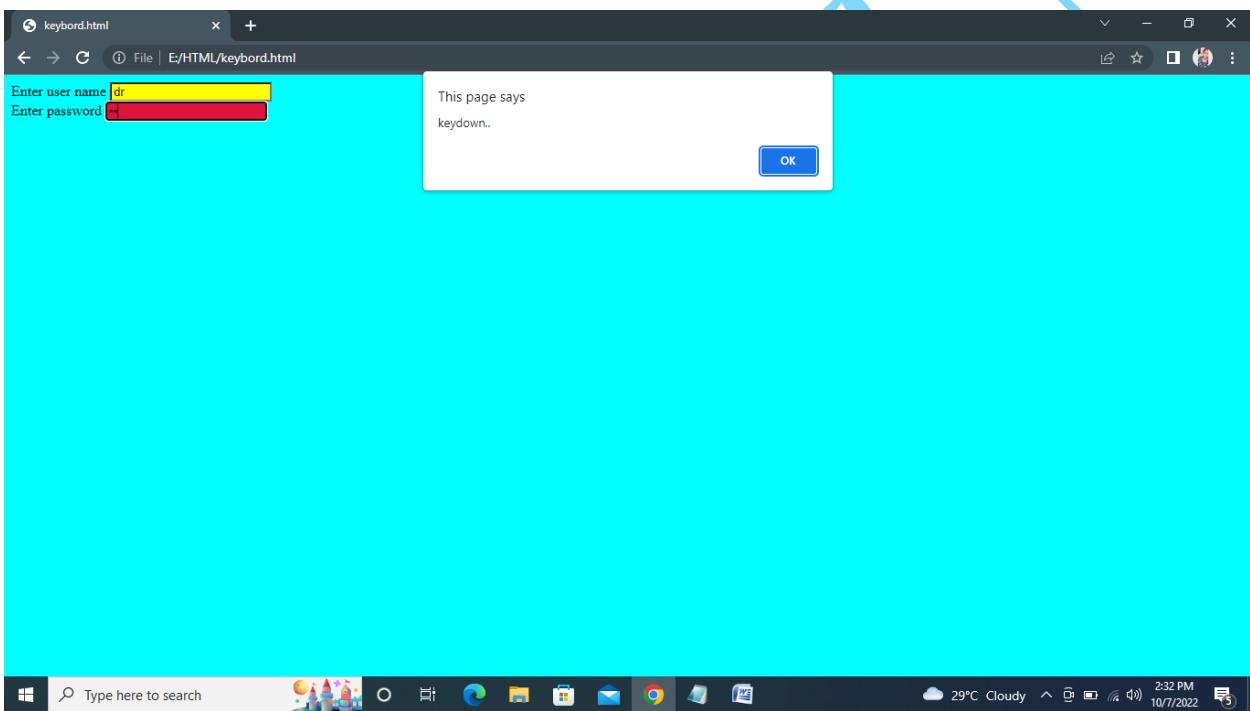
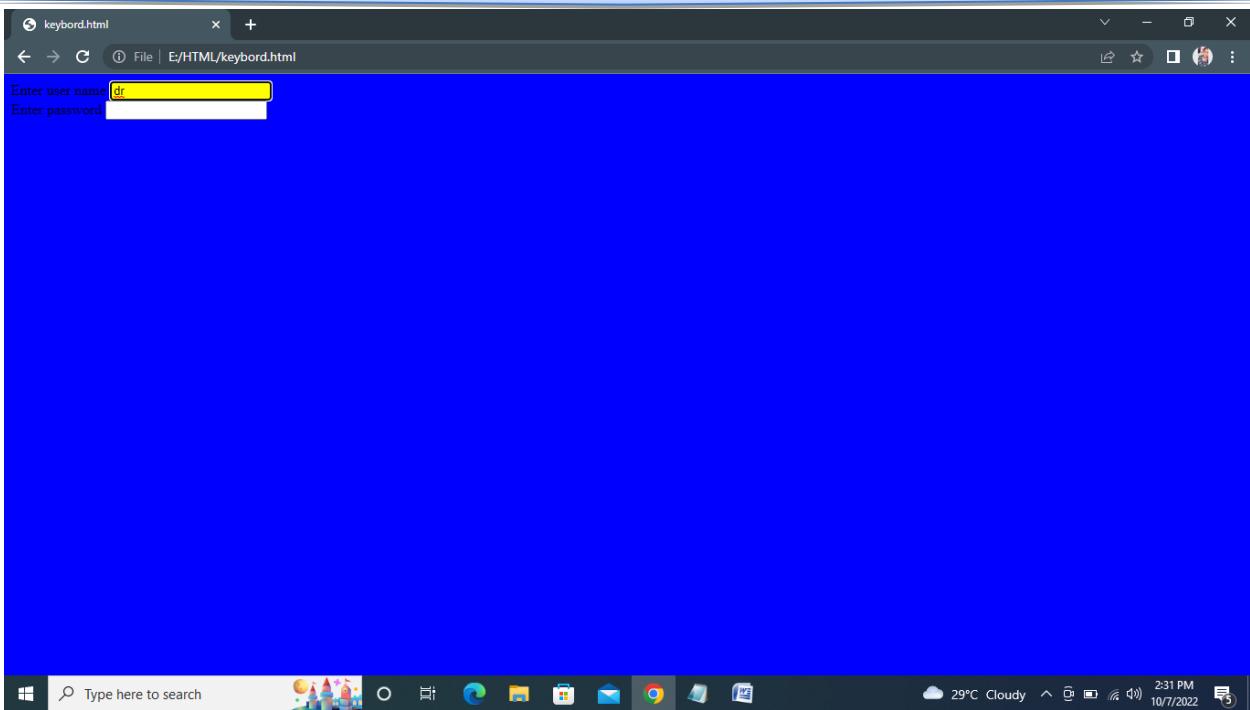
});

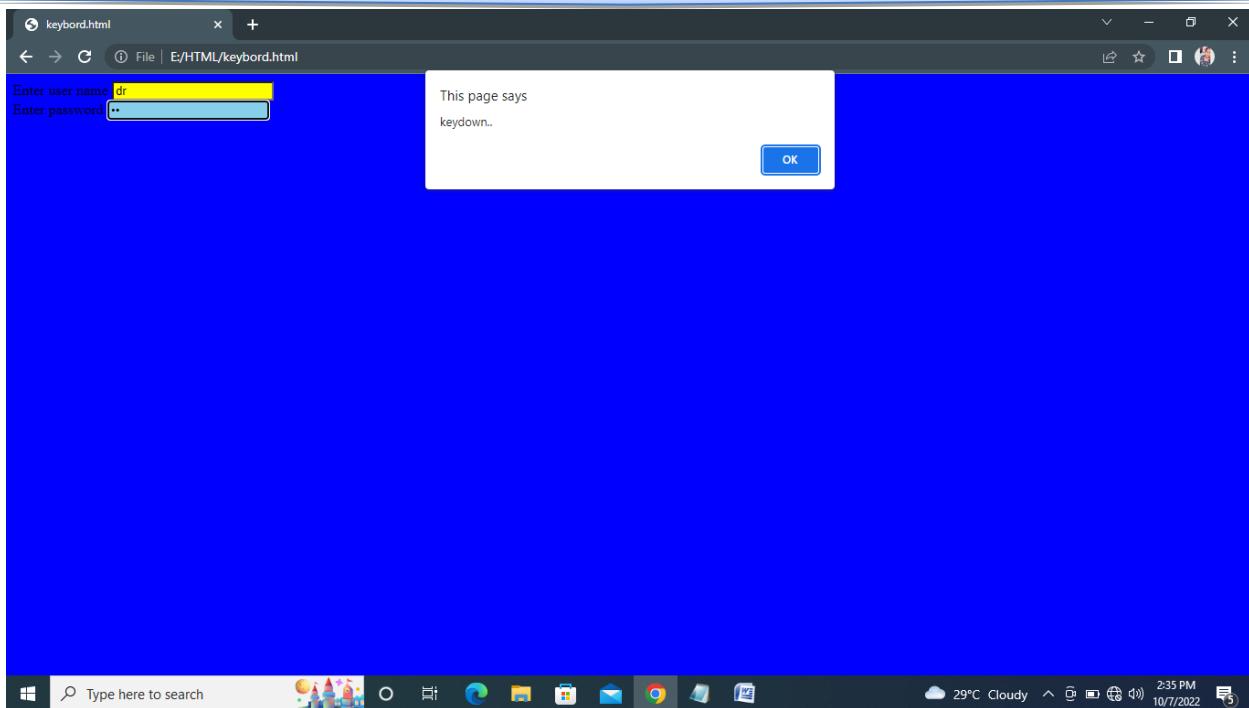
</script>

</body>

</html>
```

FSAD LAB





MOUSE:

```
<html>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js">
</script>

<body bgcolor="Moccasin" align="center">
<fieldset style="background-color:Aquamarine">
<legend align="center"><p style="color:red;font-family:Engravers MT;font-size:25pt;text-shadow:2pt 1pt black;text-decoration:underline">Top Product Based Companies in India</p></legend>

<h1 id="a">Google</h1>
<h1 id="b">Microsoft</h1>
<h1 id="c">Apple</h1>
<h1 id="d">Amazon</h1>
```

```
<h1 id="e">Uber</h1>

<h1 id="f">Coinbase</h1>

<h1 id="g">LinkedIn </h1>

</fieldset>

<script>

$(document).ready(function(){

  $("#a").click(function(){

    $("#a").css("background-color","darkcyan");

    alert("mouse clicked...");

  });

  $("#b").dblclick(function(){

    $("#b").css("background-color","yellow");

    alert("mouse double clicked...");

  });

  $("#c").mouseenter(function(){

    $("#c").css("background-color","green");

    alert("mouse entered...");

  });

  $("#d").mouseleave(function(){

    $("#d").css("background-color","purple");

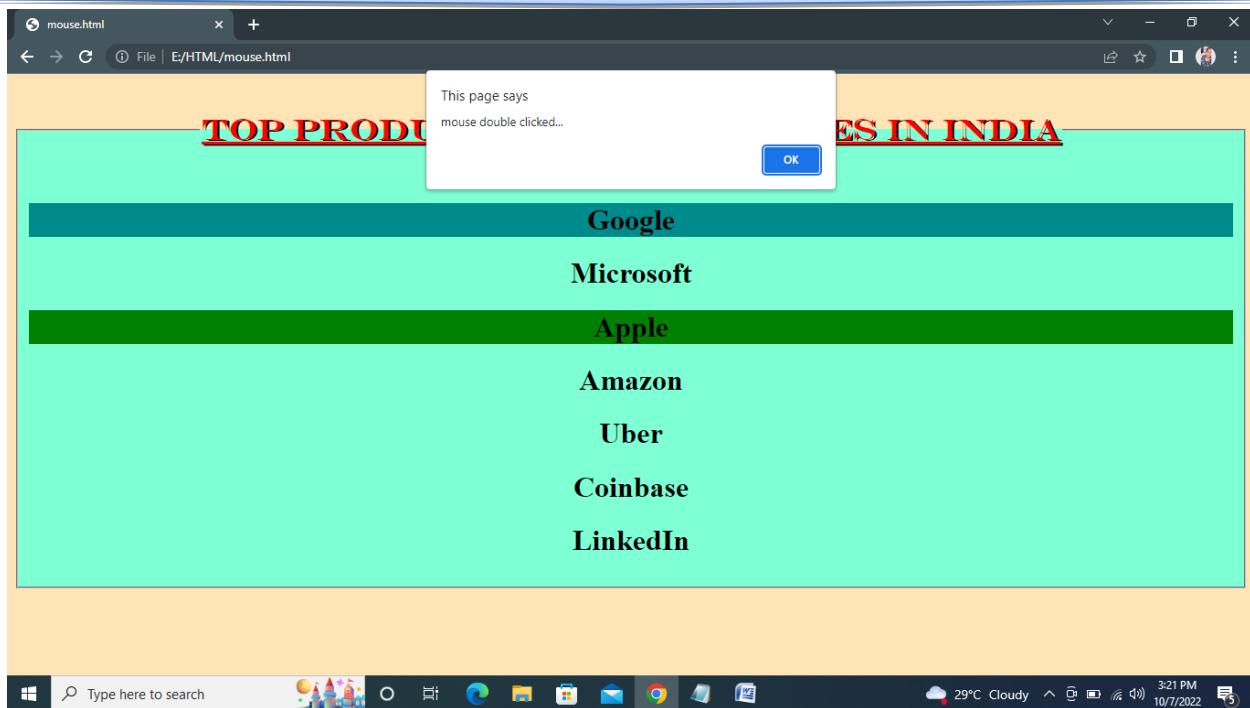
    alert("mouse leaved... ");

  });

})�
```

FSAD LAB

```
});  
  
$("#e").mouseup(function(){  
    $("#e").css("background-color","orange");  
    alert("mouse up...");  
});  
  
$("#f").mousedown(function(){  
    $("#f").css("background-color","lightgreen");  
    alert("mouse down...");  
});  
  
$("#g").hover(function(){  
    $("#g").css("background-color","hotpink");  
    alert("mouse hover...");  
});  
});  
</script>  
</html>
```



FORM:

```
<html>
```

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js">
```

```
</script>

<body id="r" style="color:white;font-family:Engravers MT;background-color:darkcyan">

<form id="f">

<label>Enter Username</label>

<input type="text" id="t"><br><br>

<input type="submit" id="b">

</form>

</body>

<script>

$(document).ready(function(){

  $("#f").submit(function(){

    var a=document.getElementById("t").value;

    alert(a);

  });

  $("#t").change(function(){

    $("#r").css("color","red");

  });

  $("#t").focus(function(){

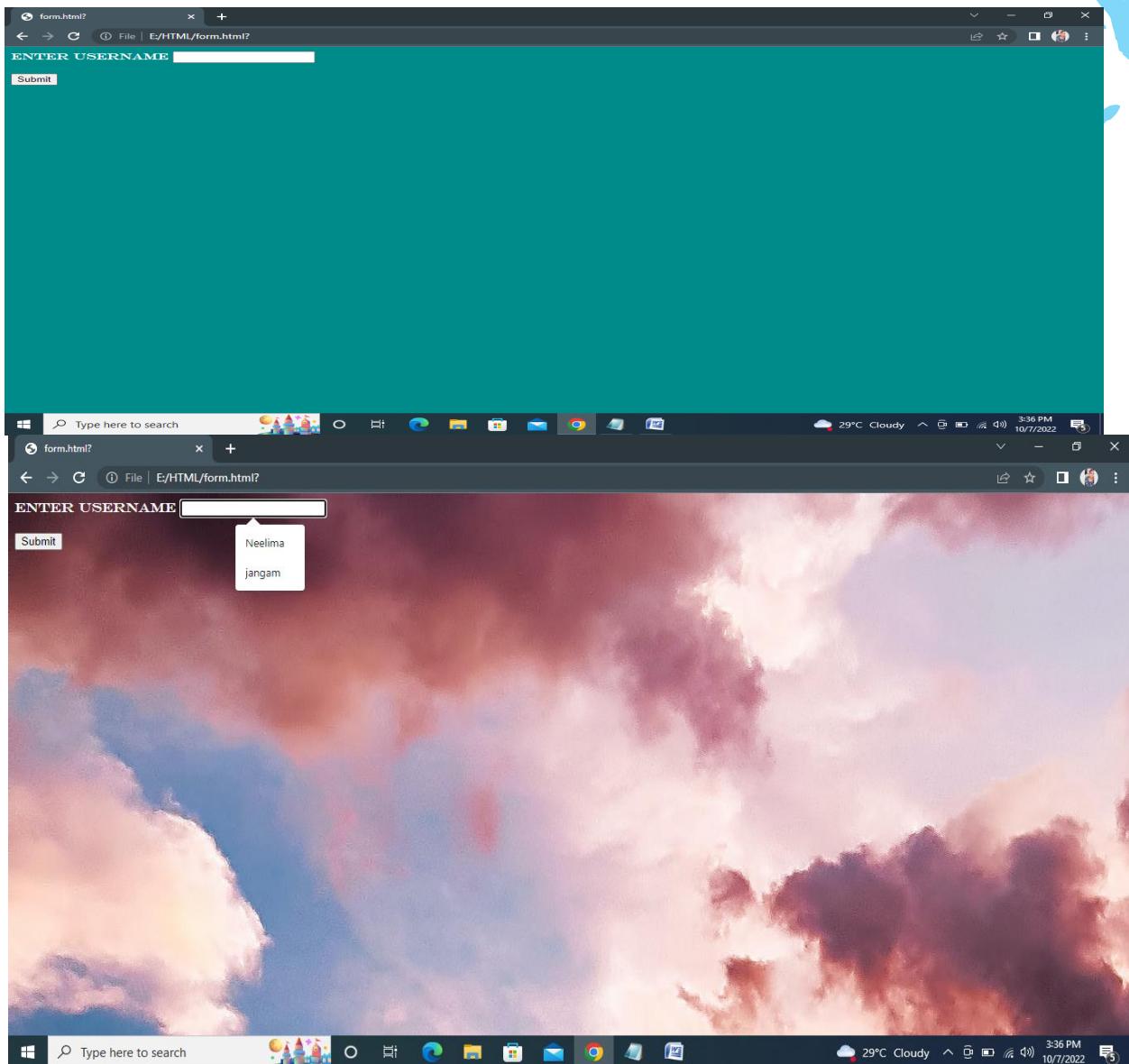
    $("#r").css("background-image","url(bg1.jpg)");

  });

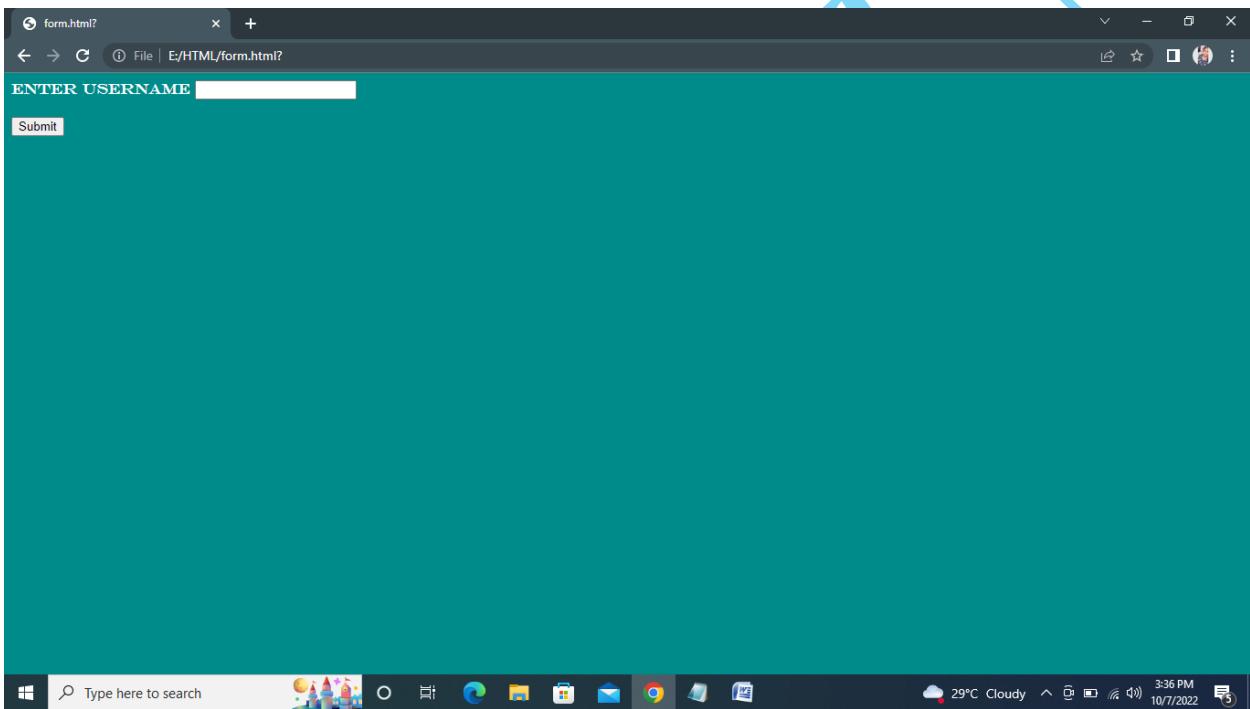
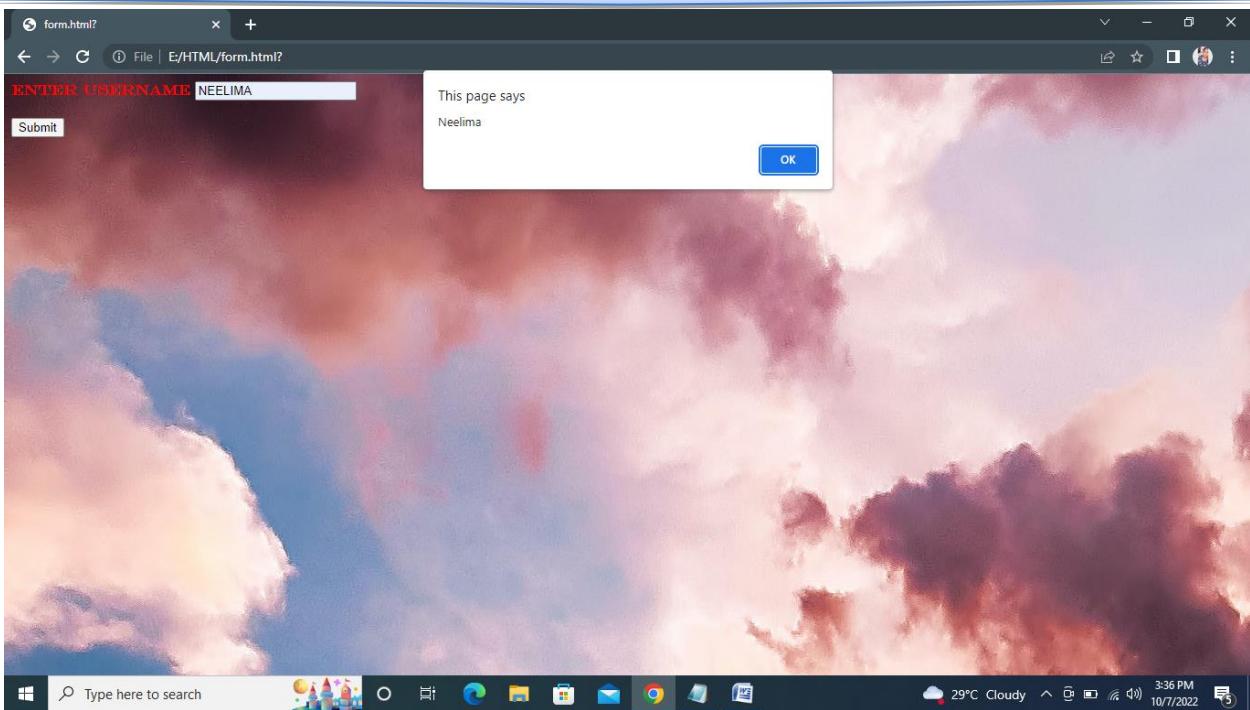
});
```

FSAD LAB

```
$("#t").blur(function(){  
    $("#t").css("text-transform","uppercase");  
});  
});  
</script>  
</html>
```



FSAD LAB



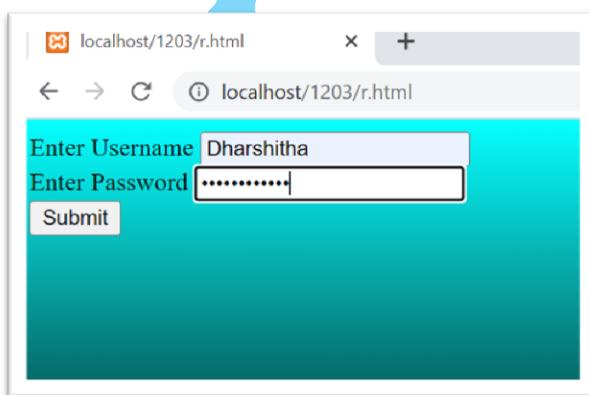
6. Using PHP and Regular expressions validate all the fields of:

- i. Login page.
- ii. Registration page.
- i. Login page.

r.html:

```
<html>  
  
<body style="background-image:linear-gradient(cyan,black,white)">  
  
<form action="reg.php" method="post">  
  
<label>Enter Username</label>  
  
<input type="text" name="t"><br>  
  
<label>Enter Password</label>  
  
<input type="password" name="p"><br>  
  
<input type="Submit">  
  
</form>  
</body>  
</html>
```

Output:



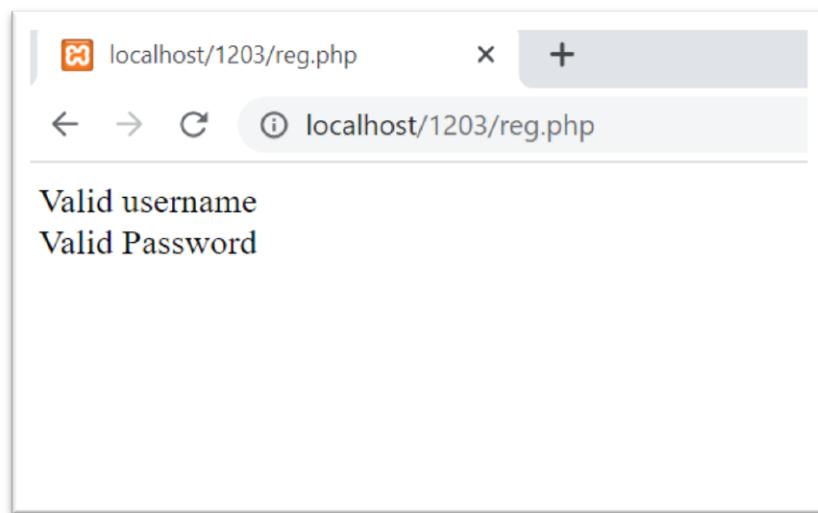
Reg.php:

```
<?php  
  
$u=$_POST["t"];  
  
$p=$_POST["p"];  
  
$usr="/[0-9A-Za-z]{2,23}/";  
  
$pwd="/^S*(?=\\S{8,})(?=\\S*[a-z])(?=\\S*[A-Z])(?=\\S*[\\d])\\S*$/";  
  
if(preg_match($usr,$u))  
  
{  
  
echo "Valid username".<br>;  
  
}  
  
else  
  
{  
  
echo "<script>alert('Invalid username');</script>";  
  
}  
  
if(preg_match($pwd,$p))  
  
{  
  
echo "Valid Password".<br>;  
  
}  
  
else  
  
{  
  
echo "<script>alert('Invalid password');</script>";  
  
}
```

}

?>

Output:



ii. Registration page.

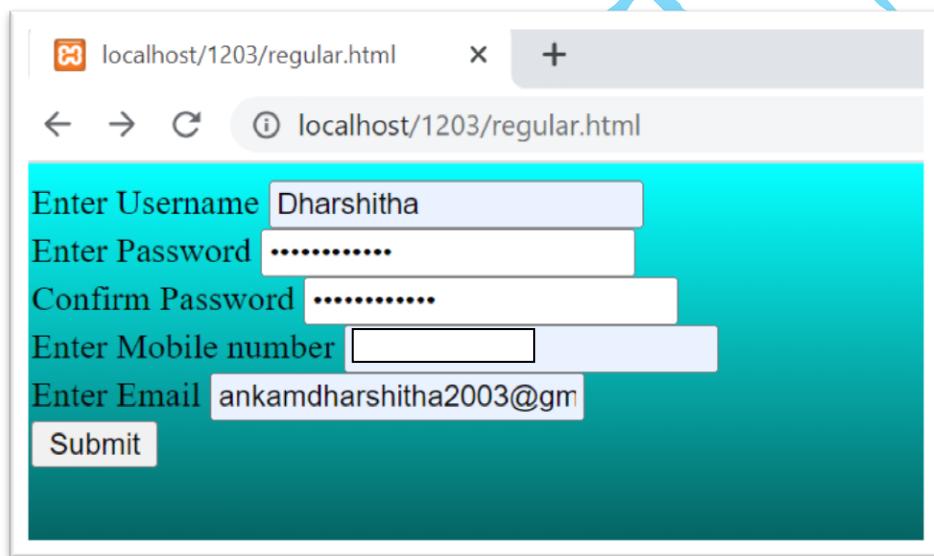
Regular.html:

```
<html>
<body style="background-image:linear-gradient(cyan,black,white)">
<form action="regular.php" method="post">
<label>Enter Username</label>
<input type="text" name="t"><br>
<label>Enter Password</label>
<input type="password" name="p"><br>
<label>Confirm Password</label>
<input type="password" name="t2"><br>
```

FSAD LAB

```
<label>Enter Mobile number</label>  
  
<input type="text" name="t3"><br>  
  
<label>Enter Email</label>  
  
<input type="mail" name="t4"><br>  
  
<input type="Submit">  
  
</form>  
  
</body>  
  
</html>
```

Output:



regular.php:

```
<?php  
  
$u=$_POST["t"];  
  
$p=$_POST["p"];
```

FSAD LAB

```
$c=$_POST["t2"];  
  
$m=$_POST["t3"];  
  
$e=$_POST["t4"];  
  
$usr="/[0-9A-Za-z]{2,23}/";  
  
$pwd="/^S*(?=\\S{8,})(?=\\S*[a-z])(?=\\S*[A-Z])(?=\\S*[\\d])\\S*$/";  
  
$mob="/^\\d{10}$/";  
  
$email="/^(\\w+\\d*)+\\.(\\w+\\d*)+@([\\w+\\d*]+\\.)+[\\w+\\d*]{2,6}\\$/ix";  
  
if(preg_match($usr,$u))  
{  
    echo "Valid username".<br>;  
}  
else  
{  
    echo "<script>alert('Invalid username');</script>";  
}  
if(preg_match($pwd,$p))  
{  
    echo "Valid Password".<br>;  
}  
else  
{
```

```
echo "<script>alert('Invalid password');</script>";  
}  
  
if(preg_match($pwd,$c))  
  
{  
  
echo "Password is matched".<br>;  
  
}  
  
else  
  
{  
  
echo "<script>alert('Password is mismatched');</script>";  
  
}  
  
if(preg_match($mob,$m))  
  
{  
  
echo "Valid Mobile Number".<br>;  
  
}  
  
else  
  
{  
  
echo "<script>alert('Invalid Mobile Number');</script>";  
  
}  
  
if(preg_match($email,$e))  
  
{  
  
echo "Valid Email".<br>;
```

```
}

else

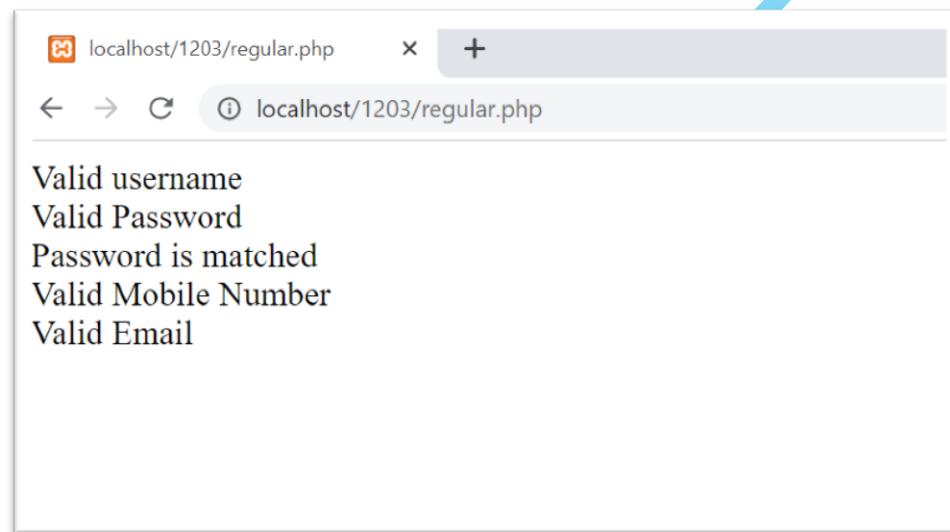
{

echo "<script>alert('Invalid Email');</script>";

}

?>
```

Output:



7. Install a database and design a Web application using JSP:

i. To connect to the database using JDBC.

ii. Create new tables.

iii. Insert the details of the users who register through the registration page of the online book store web site in to the database.

iv. Retrieve and display data related to books stored in the tables to the user.

con1.jsp

```
<%@page import="java.sql.*"%>

<%
Connection con=null;

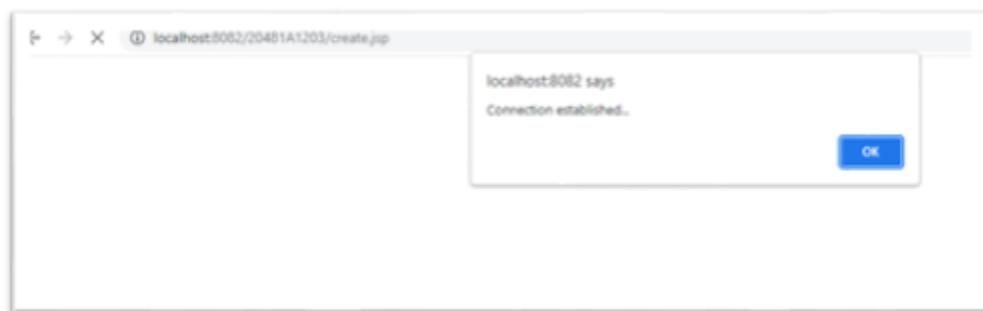
try
{
    Class.forName("oracle.jdbc.driver.OracleDriver");

    con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","admin");

    out.println("<script>alert('Connection established...');</script>");
}

catch(Exception e)
{
    out.println("<script>alert('Error...');</script>");
}

%>
```

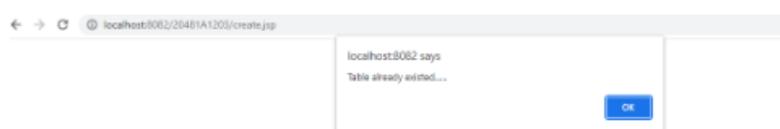


create.jsp

```
<%@ include file="con1.jsp"%>

<%@page import="java.sql.*"%>

<%
try
{
    PreparedStatement ps=con.prepareStatement("create table user5(userid
varchar(20),password varchar(20),mobile varchar(12),books varchar(50))");
    ps.executeQuery();
    out.println("<script>alert('table created.....');</script>");
}
catch(Exception e)
{
    out.println("<script>alert('Table already existed.....');</script>");
}
%>
```



```
SQL> select * from user5;
no rows selected

SQL> desc user5;
Name          Null?    Type
-----
USERID        VARCHAR2(20)
PASSWORD      VARCHAR2(20)
MOBILE        VARCHAR2(12)
BOOKS         VARCHAR2(50)

SQL>
```

Userreg.html

```
<html>

<body bgcolor="magenta">

<form action="user10.jsp" method="post">

<label>Enter username</label>
<input type="text" name="t1"><br>

<label>Enter password</label>
<input type="password" name="p"><br>

<label>Mobile Number</label>
<input type="text" name="t2"><br>

<label>Books</label>
<input type="text" name="t3"><br>

<input type="submit" value="Register">

</form>

</body>
```

</html>

localhost:8082/20481A1203/userreg.html

Enter username: system

Enter password:

Mobile Number: 4279847

Books: c.java,python

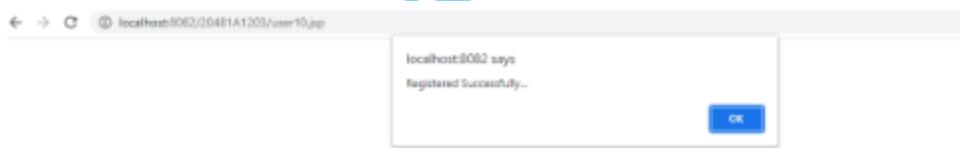
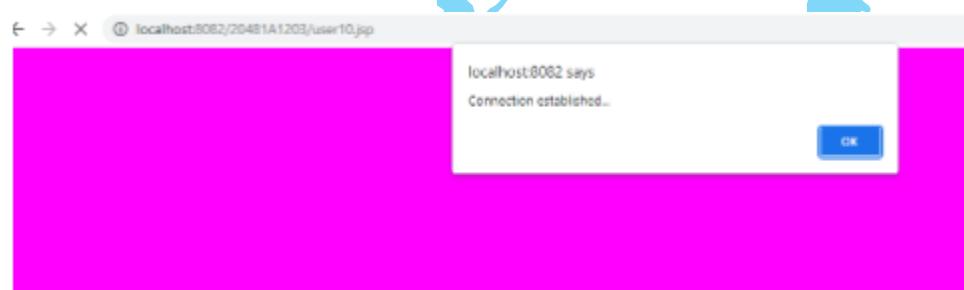
Register

user10.jsp

```
<%@page import="java.sql.*"%>
<%@ include file="con1.jsp"%>
<%
try
{
String u=request.getParameter("t1");
String p=request.getParameter("p");
String m=request.getParameter("t2");
String b=request.getParameter("t3");
PreparedStatement ps=con.prepareStatement("insert into user5 values(?,?,?,?,?)");
ps.setString(1,u);
ps.setString(2,p);
ps.setString(3,m);
ps.setString(4,b);
ps.executeUpdate();
}
%>
```

FSAD LAB

```
ps.setString(2,p);
ps.setString(3,m);
ps.setString(4,b);
ps.executeUpdate();
out.println("<script>alert('Registered Successfully...');</script>");
}
catch(Exception e)
{
out.println("<script>alert('Error...');</script>");
}
%>
```



```
SQL> select * from user5;
USERID          PASSWORD          MOBILE
-----          -----
BOOKS
-----
system          1234              4279847
c,java,python
```

read.html

```
<html>

<body bgcolor="cyan">

<form action="ret.jsp" method="post">

<label>Enter username</label>

<input type="text" name="t1"><br>

<label>Enter password</label>

<input type="password" name="p"><br>

<input type="submit" value="Retrieve">

</form>

</body>

</html>
```

localhost:8082/20481A1203/read.html

Enter username
Enter password

ret.jsp

```
<%@page import="java.sql.*"%>  
<%@ include file="con1.jsp"%>  
<%  
try  
{  
    String u=request.getParameter("t1");  
    String p=request.getParameter("p");  
    PreparedStatement ps=con.prepareStatement("select books from user5 where  
    userid=? and password=?");  
    ps.setString(1,u);  
    ps.setString(2,p);  
    ResultSet rs=ps.executeQuery();  
    if(rs.next())
```

FSAD LAB

```
out.println("Registered Books:"+rs.getString(1));  
  
else  
  
out.println("Invalid user...");  
  
}  
  
catch(Exception e)  
  
{  
  
response.sendRedirect("Error...");  
  
}  
  
%>
```

← → ⌂ ⓘ localhost:8082/20481A1203/ret.jsp

Registered Books:c.java,python

8. Create a user authentication application using JSP where the user submits login name and password to the server through form. The name and password are verified against the data already available in the database and if there is a match, a welcome page is returned. Otherwise a failure message is displayed to the user.

User.html

```
<html>

<body style="background-image:linear-gradient(red,white,yellow)">

<table align="center">

<form action="user.jsp" method="post">

<tr>

<td><label>Enter user name</td>

<td><input type="text" name="t">

</tr>

<tr>

<td><label>Enter password</td>

<td><input type="password" name="p">

</tr>

<tr>

<td colspan="2" align="center"><input type="submit"></td>

</tr>

</form>
```

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

User.jsp

```
<%@page import="java.sql.*"%>  
  
<%  
  
try  
  
{  
  
String u=request.getParameter("t");  
  
String p=request.getParameter("p");  
  
Class.forName("oracle.jdbc.driver.OracleDriver");  
  
Connection  
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","so  
bhan");  
  
PreparedStatement ps=con.prepareStatement("select *from user1 where uname=?  
and password=?");  
  
ps.setString(1,u);  
  
ps.setString(2,p);  
  
ResultSet rs=ps.executeQuery();  
  
if(rs.next())  
  
out.println("<html><body style='background-image:radial-  
gradient(yellow,white,red)'><h1 align='center'>Welcome to  
"+u+"</h1></body></html>");
```

```
else
out.println("<script>alert('Invalid id');</script>");
}
catch(Exception e)
{
out.println("<script>alert('error');</script>");
}
%>
```

Output:

The screenshot shows a simple HTML login form. It consists of two text input fields and a submit button. The first field is labeled "Enter user name" and contains the value "admin". The second field is labeled "Enter password" and contains the value "...". Below these fields is a blue "Submit" button.

Welcome to admin

9. Design a Web application using PHP:

- i. To connect to the MySQL database.
- ii. Create new tables.
- iii. Insert the details of the users who register through the registration page of the online book store web site in to the database.
- iv. Retrieve and display data related to books stored in the tables to the user.

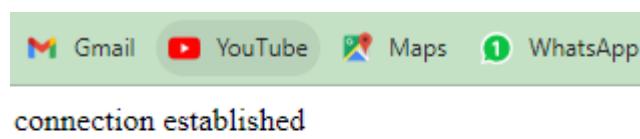
1)to connect to the Mysql database

Code:

```
<?php  
  
$c=mysqli_connect("localhost","root","");
if($c)
{
echo 'connection established';
$q="create database fsad";
if(mysqli_query($c,$q))
echo "<script>alert('database created.....');</script>";
else
echo "<script>alert('database error.....');</script>";
}
else
die("error");
?>  
  
//Save in :c/xampp/htdoc/rollno  
  
//run: http://localhost/20481A1214/c.php
```

Output:

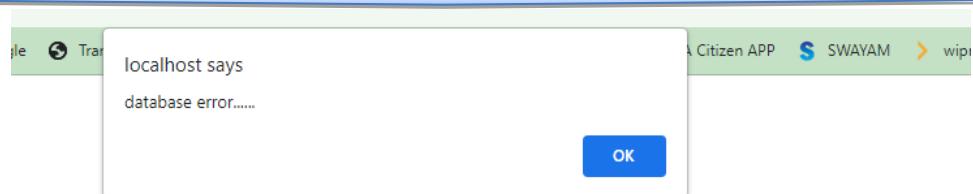
FSAD LAB



A screenshot of the phpMyAdmin interface. The left sidebar shows a list of databases: New, information_schema, mysql, performance_schema, phpmyadmin, and test. The main panel shows a list of databases under "Server: 127.0.0.1". The "Databases" tab is selected. A "Create database" button is visible. A table lists existing databases with their collations:

Database	Collation
fsa	utf8mb4_general_ci
fsad	utf8mb4_general_ci
information_schema	utf8_general_ci
mysql	utf8mb4_general_ci
performance_schema	utf8_general_ci
phpmyadmin	utf8_bin

Again run the same code:

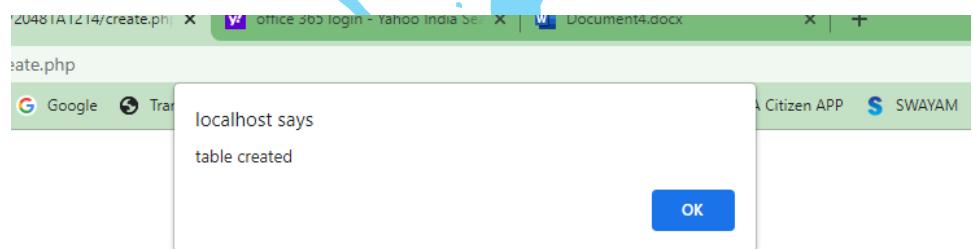


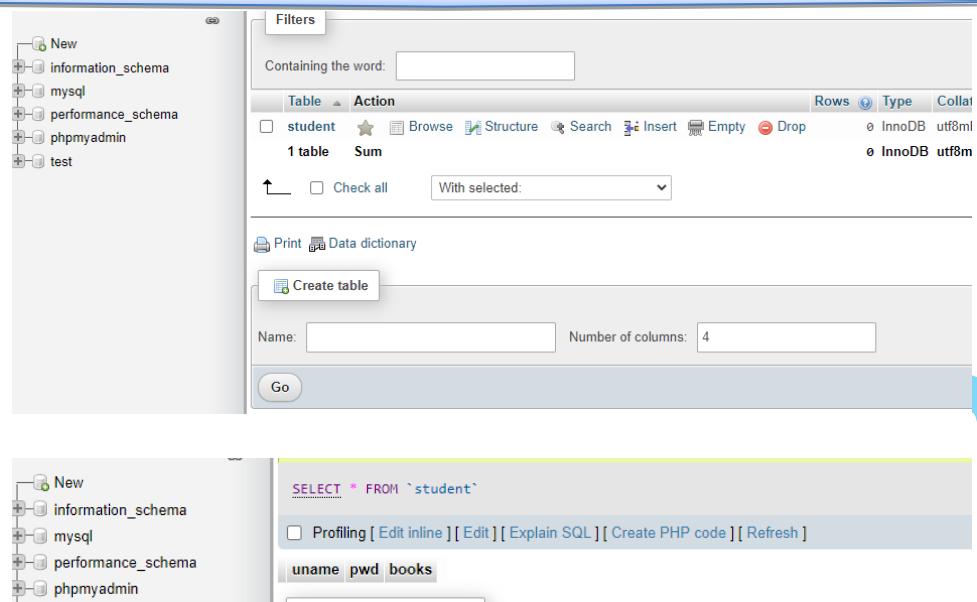
2)table creation

Code:

```
<?php  
  
$c=mysqli_connect("localhost","root","","fsad");  
  
$q="create table student(uname varchar(20),pwd varchar(20),books varchar(20));  
  
if(mysqli_query($c,$q))  
  
echo "<script>alert('table created')</script>";  
  
else  
  
echo "table already exists";  
  
?>
```

Output:





3)reg.html

```
<html>

<body style="background-image:linear-gradient(cyan,white,yellow)">

<form action="reg.php" method="post">

<table>

<tr>

<td><label>Enter username</label></td>

<td><input type="text" name="t1"></td>

</tr>

<tr>

<td><label>Enter password</label></td>

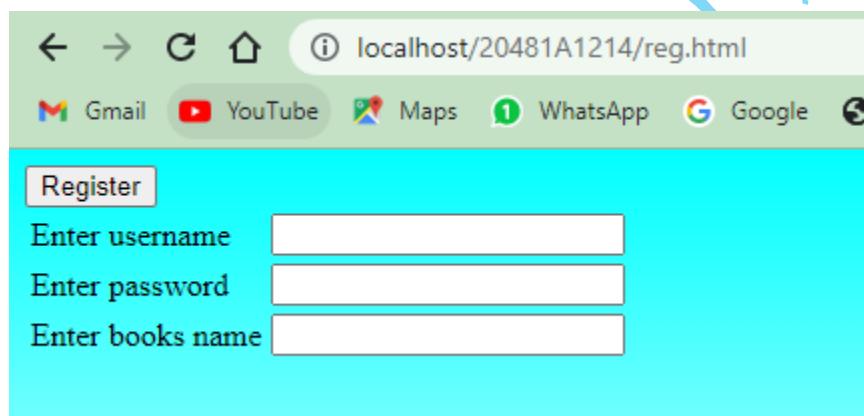
<td><input type="password" name="p"></td>

</tr>
```

FSAD LAB

```
<tr>  
  
<td><label>Enter books name</label></td>  
  
<td><input type="text" name="t2"></td>  
  
</tr>  
  
<input type="submit" value="Register">  
  
</table>  
  
</form>  
  
</body>  
  
</html>
```

Output:



Reg.php

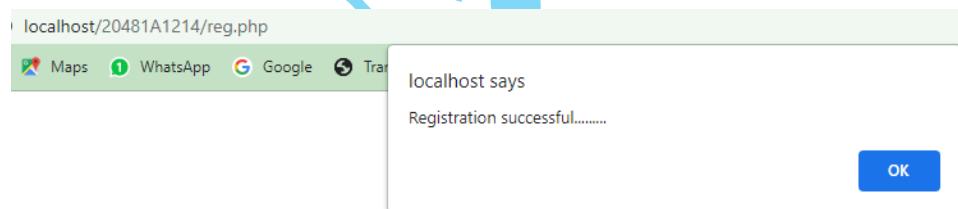
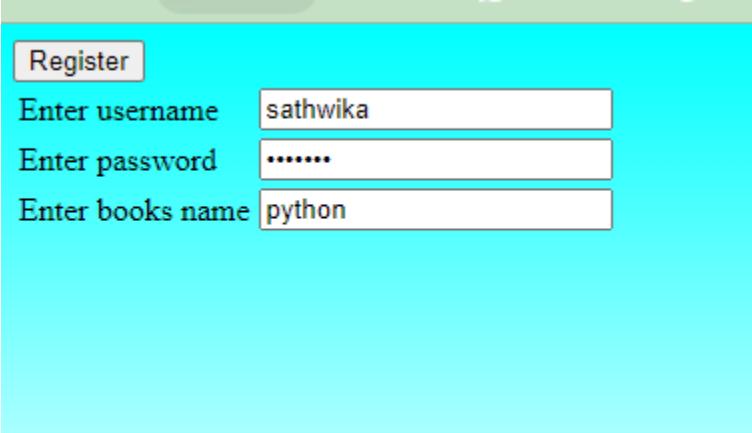
Code:

```
<?php  
  
$u=$_POST["t1"];  
  
$p=$_POST["p"];
```

FSAD LAB

```
$b=$_POST["t2"];  
  
$c=mysqli_connect("localhost","root","","fsad");  
  
$q="insert into student(uname,pwd,books)values('$u','$p','$b')";  
  
if(mysqli_query($c,$q))  
  
echo "<script>alert('Registration successful.....');</script>";  
  
else  
  
die ("error");  
  
?>
```

Output:



SELECT * FROM `student` ORDER BY `student`.`uname` ASC

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this t

+ Options

uname	pwd	books
sathwika	Rani@26	python
sathwika	Rani@26	python

Show all | Number of rows: 25 Filter rows: Search this t

Query results operations

Register

Enter username

Enter password

Enter books name

+ Options

uname	pwd	books
Neelima	Nellu@55	c
sathwika	Rani@26	python
sathwika	Rani@26	python

4)retrieve.html

```
<html>

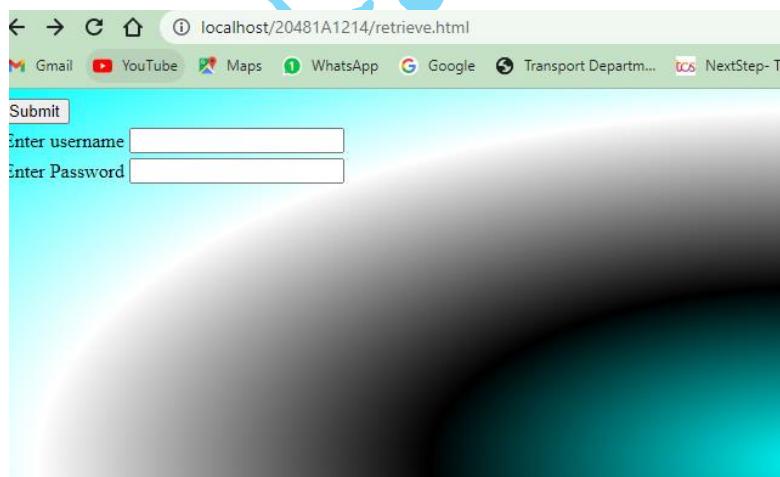
<body style="background-image:radial-gradient(cyan,black,white,cyan)">

<form action="ret.php" method="post">
```

FSAD LAB

```
<table>  
  
<tr>  
  
<td><label>Enter username</label></td>  
  
<td><input type="text" name="t"></td>  
  
</tr>  
  
<tr>  
  
<td><label>Enter Password</label></td>  
  
<td><input type="password" name="p"></td>  
  
</tr>  
  
<input type="submit">  
  
</table>  
  
</form>  
  
</body>  
  
</html>
```

Output:

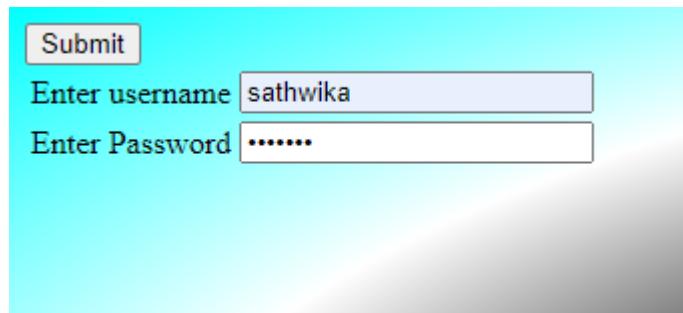


ret.php

Code:

```
<?php  
  
$u=$_POST["t"];  
  
$p=$_POST["p"];  
  
$c=mysqli_connect("localhost","root","","fsad");  
  
$q="select *from student where uname='".$u' and pwd='".$p"';  
  
$r=mysqli_query($c,$q);  
  
if(mysqli_num_rows($r)>0)  
  
{  
  
while($z=mysqli_fetch_assoc($r))  
  
echo $z['books'];  
  
}  
  
else  
  
die('invalid user name');  
  
?>
```

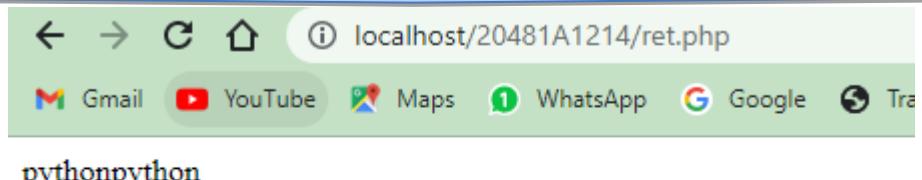
Output:



Submit

Enter username sathwika

Enter Password *****



Options		
uname	pwd	books
Neelima	Nellu@55	c
sathwika	Rani@26	python
sathwika	Rani@26	python

10. Create a user authentication application using PHP where the user submits login name and password to the server through form. The name and password are verified against the data already available in the database.

i. On successful authentication, display welcome message to the user and create a new session.

ii. Otherwise display a failure message to the user.

u.html:

```
<html>
<body style="background-image:linear-gradient(cyan,black,white)">
<form action="user1.php" method="post">
<label>Enter Username</label>
<input type="text" name="t1"><br>
<label>Enter Password</label>
```

FSAD LAB

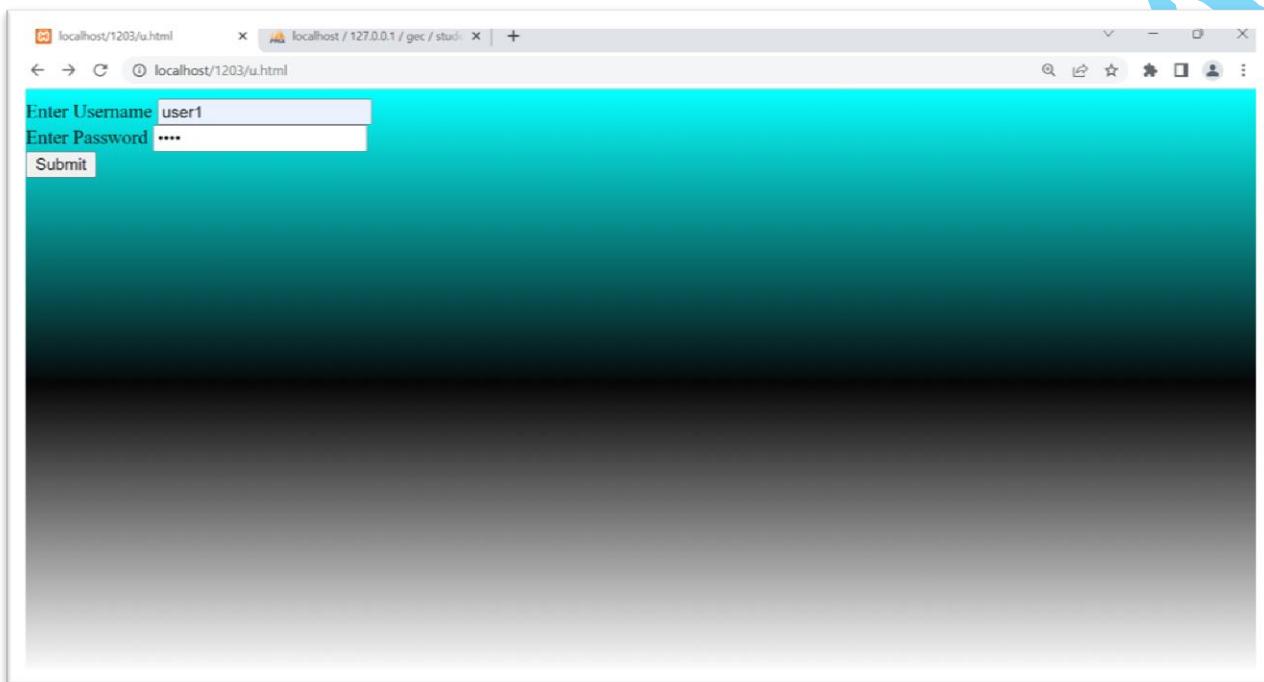
```
<input type="password" name="p"><br>

<input type="Submit">

</form>

</body>

</html>
```



User1.php:

```
<?php

session_start();

?>

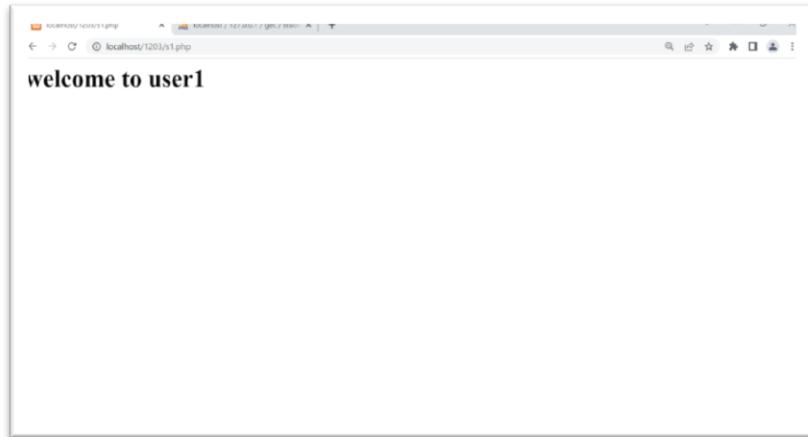
<?php

$u=$_POST["t1"];

$p=$_POST["p"];
```

FSAD LAB

```
$_SESSION["a"]=$u;  
$_SESSION["b"]=$p;  
  
$c=mysqli_connect("localhost","root","","gec");  
  
$q="select * from Student where uname='".$u' and pwd='".$p' ";  
  
$r=mysqli_query($c,$q);  
  
if(mysqli_num_rows($r)>0)  
{  
  
header("location:s1.php");  
}  
  
else  
  
echo "<script>alert('Invalid user.....');</script>";  
?  
  
S1.php:  
  
<?php  
  
session_start();  
?  
  
<?php  
  
echo '<h1>welcome to '.$_SESSION["a"].'</h1>';  
?  
?
```



11. Design a web application to make the Button Click Do Something using React Events.

```
<!DOCTYPE html>

<html> <head>

<title>React! React! React!</title>

<script src="https://unpkg.com/react@15.3.2/dist/react.js"></script>
<script src="https://unpkg.com/react-dom@15.3.2/dist/react-dom.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/babel-core/5.8.23/browser.min.js"></script>

<style>
#container {
    padding: 50px;
    background-color: #FFF;
}
</style>
```

```
</head> <body>

<div id="container"></div>

<script type="text/babel">

var destination = document.querySelector("#container");

var Counter = React.createClass({


  render: function() {

    var textStyle = {

      fontSize: 72,
      fontFamily: "sans-serif",
      color: "#333",
      fontWeight: "bold"
    };

    return (
      <div style={textStyle}>
        {this.props.display}
      </div>
    );
  }
});

var CounterParent = React.createClass({


  getInitialState: function() {
```

```
return {  
  count: 0  
};  
},  
  
increase: function(e) {  
  this.setState({  
    count: this.state.count + 1  
});  
},  
render: function() {  
  var backgroundStyle = {  
    padding: 50,  
    backgroundColor: "#FFC53A",  
    width: 250,  
    height: 100,  
    borderRadius: 10,  
    textAlign: "center"  
};  
  var buttonStyle = {  
    fontSize: "1em",  
  };  
  return (

IT-III-B. Tech-I Sem. Section-A (2020-24)



SRGEC



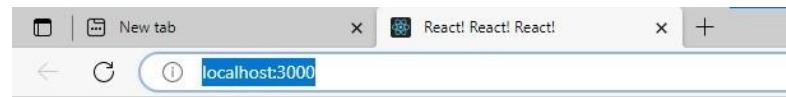
Page No: 97


```

```
width: 30,  
  
height: 30,  
  
fontFamily: "sans-serif",  
  
color: "#333",  
  
fontWeight: "bold",  
  
lineHeight: "3px"  
  
};return (  
  
<div style={backgroundStyle}>  
  
<Counter display={this.state.count}/>  
  
<button onClick={this.increase} style={buttonStyle}>+</button>  
  
</div>  
);  
}  
});  
ReactDOM.render(  
  
<div>  
  
<CounterParent/>  
  
</div>,  
  
destination  
);  
  
</script>
```

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

Output:



Programs Prepared
by
III-IT-Section-A students