

S.R.K.R. ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Chinnamiram, Bhimavaram-534204

WEB TECHNOLOGIES LAB RECORD



Submitted by

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BRANCH : **Information Technology**

REGNO : **18B91A12F7**

YEAR, SEM: **3rd B. Tech, 2nd Semester**

ACADEMIC YEAR: **2020-2021**

LAB : **WEB TECHNOLOGIES**

INTERNAL EXAMINER

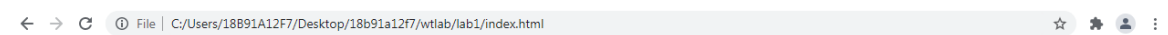
EXTERNAL EXAMINER

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

1) HOME PAGE: The static home page must contain three frames. Top frame: Logo and the college name and links to Home page, 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. For e.g.: When you click the link "MCA" the catalogue for MCA 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.

INDEX.HTML

```
<!DOCTYPE html>
<html>
<head>
    <title>Online Library</title>
</head>
<frameset rows="30% , 10% , *">
    <frame src="title.html" noresize> </frame>
    <frame src="menu.html" scrolling="no"></frame>
    <frameset cols="20%, *">
        <frame src="dept.html" scrolling="no" noresize></frame>
        <frame src="blog.html" name="content"></frame>
    </frameset>
</frameset>
</html>
```



18B91A12F7

V Sai Nirmal Vignu

Online Library System



[Home](#)

[Login](#)

[Registration](#)

[Catalogue](#)

[Cart](#)

- [CSE](#)
- [IT](#)
- [ECE](#)
- [MECH](#)
- [CIVIL](#)
- [EEE](#)

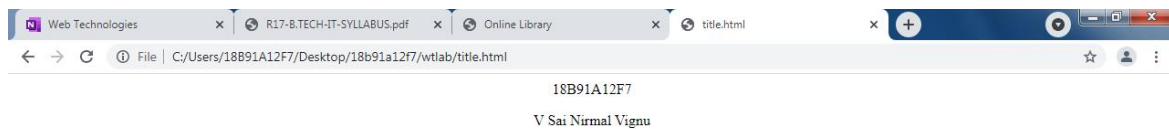
Welcome to SRK

Our portal is very useful for engineering students for buying the books through online. We will provide all kinds of books that are really useful for students.

The book details are available and organized branch wise. You can buy the books by providing credit card numbers. We are providing safe and secure transactions.

TITLE.HTML

```
<body>
<center>
<p>18B91A12F7</p>
<p>V Sai Nirmal Vignu</p>
<h1 style="color: red; text-shadow: 2px 2px 5px black;">Online Library System
 </h1>
</center>
</body>
```

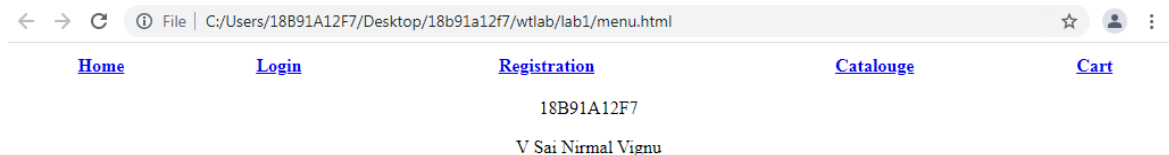


Online Library System



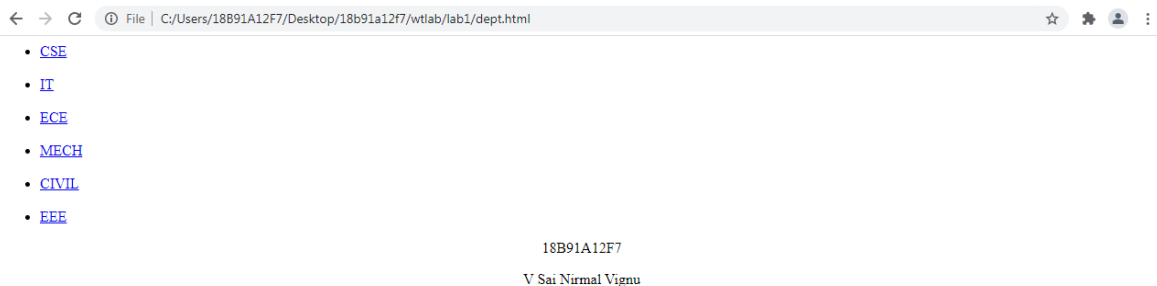
Menu.html

```
<body>
<center>
<table width="100%">
<tr>
<th><a href="blog.html" target="content">Home</a></th>
<th><a href="login.html" target="content">Login</a></th>
<th><a href="registration.html" target="content">Registration</a></th>
<th><a href="catalouge.html" target="content">Catalouge</a></th>
<th><a href="cart.html" target="content">Cart</a></th>
</tr>
</table>
<p>18B91A12F7</p>
<p>V Sai Nirmal Vignu</p>
</center>
</body>
```



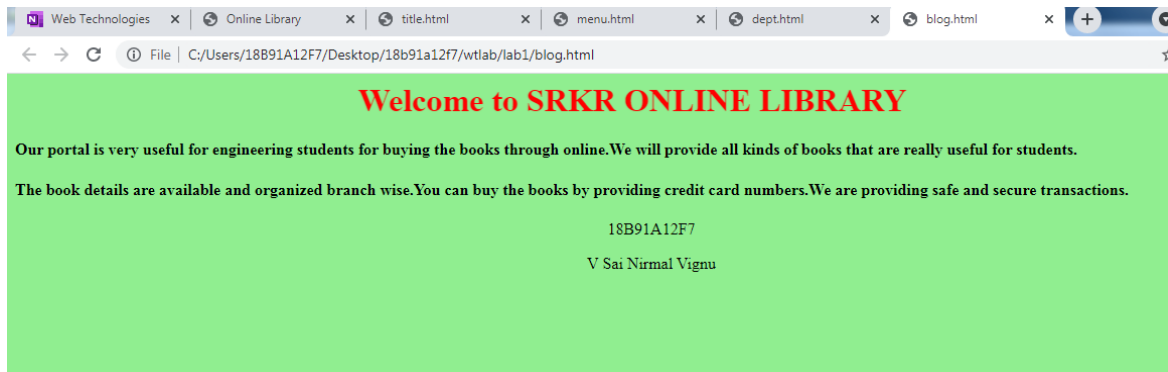
DEPT.HTML

```
<body>
<ul>
<li><a href="catalogue.html#cse" target="content">CSE</a></li>
<br>
<li><a href="catalogue.html#it" target="content">IT</a></li>
<br>
<li><a href="catalogue.html#ece" target="content">ECE</a></li>
<br>
<li><a href="catalogue.html#mech" target="content">MECH</a></li>
<br>
<li><a href="catalogue.html#civil" target="content">CIVIL</a></li>
<br>
<li><a href="catalogue.html#eee" target="content">EEE</a></li>
</ul>
<center>
<p>18B91A12F7</p>
<p>V Sai Nirmal Vignu</p>
</center>
</body>
```



BLOG.HTML

```
<body style="background-color: lightgreen">
<h1 style="color: red"><marquee>Welcome to SRKR ONLINE LIBRARY</marquee></h1>
<h4>Our portal is very useful for engineering students for buying the books through
online.We will provide all kinds of books that are really useful for students.</h4>
<h4>The book details are available and organized branch wise.You can buy the books by
providing credit card numbers.We are providing safe and secure transactions.</h4>
<center>
<p>18B91A12F7</p>
<p>V Sai Nirmal Vignu</p>
</center>
</body>
```



2) LOGIN PAGE

LOGIN.html

```
<!DOCTYPE html>
<html>
<head>
<title>Login</title>
</head>
<body>
<h1 align="center">Login</h1>
<form action="#" method="post" >
<table align="center">
<tr>
<th>Email:</th>
<td><input type="Email" name="email" placeholder="enter your email" required></td>
</tr>
<tr>
<th>Password:</th>
<td><input type="password" name="password" placeholder="enter your password"
required></td>
</tr>
</table>
<br>
<center>
<input type="submit" name="submit" value="login">
&nbsp; &nbsp;
<input type="reset" name="reset" >
</center>
</form>
<center>
<p>18B91A12F7</p>
<p>V Sai Nirmal Vignu</p>
</center>
</body>
</html>
```

Login

Email:
Password:

18B91A12F7

V Sai Nirmal Vignu

3) CATOLOGUE PAGE:

The catalogue page should contain the details of all the books available in the web site in a table.

The details should contain the following:

1. Snap shot of Cover Page.
2. Author Name.
3. Publisher.
4. Price.
5. Add to cart button.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>Catalogue</title>
```

```
</head>
```

```
<body>
```

```
    <h1 align="center">Books Details</h1>
```

```
    <a name='cse'></a>
```

```
    <table width="100%">
```

```
        <tr>
```

```
            <th colspan="4">CSE</th>
```

```
        </tr>
```

```
        <tr align="center">
```

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

```
            <td><b>Book:</b>Python<br>
```

```
                <b>Author:</b>Preethi Aurora<br>
```

```
                <b>Publisher:</b>SChand
```

```
            </td>
```

```
            <td>$40</td>
```

```
            <td><input type="button" name="b1" value="Add to cart"></td>
```

```
        </tr>
```

```
        <tr align="center">
```

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

```
            <td><b>Book:</b>Computer Graphics<br>
```

```
                <b>Author:</b>Donald Hearn<br>
```

```
                <b>Publisher:</b>SChand
```

```
            </td>
```

```
            <td>$35</td>
```

```

        <td><input type="button" name="b2" value="Add to cart"></td>
    </tr>
    <tr align="center">
        <td></td>
        <td><b>Book:</b>Data Structure using C<br>
            <b>Author:</b>Anil K Ahlawat<br>
            <b>Publisher:</b>SChand
        </td>
        <td>$30</td>
        <td><input type="button" name="b3" value="Add to cart"></td>
    </tr>
</table>

```

```

<a name='it'></a>
<table width="100%">
    <tr>
        <th colspan="4">IT</th>
    </tr>
    <tr align="center">
        <td></td>
        <td><b>Book:</b>Java<br>
            <b>Author:</b>Herber Schildt<br>
            <b>Publisher:</b>SKS
        </td>
        <td>$45</td>
        <td><input type="button" name="b4" value="Add to cart"></td>
    </tr>
    <tr align="center">
        <td></td>
        <td><b>Book:</b>Compiler Design<br>
            <b>Author:</b>Donald Hearn<br>
            <b>Publisher:</b>SCS
        </td>
        <td>$32</td>
        <td><input type="button" name="b5" value="Add to cart"></td>
    </tr>
    <tr align="center">
        <td></td>
        <td><b>Book:</b>Teach Yourself C<br>
            <b>Author:</b>Herber Schildt<br>
            <b>Publisher:</b>SKS
        </td>
        <td>$35</td>
        <td><input type="button" name="b6" value="Add to cart"></td>
    </tr>
</table>

```



```

<a name='ece'></a>
<table width="100%">
  <tr>
    <th colspan="4">ECE</th>
  </tr>
  <tr align="center">
    <td></td>
    <td><b>Book:</b>Analog Circuits<br>
      <b>Author:</b>A Raj Kumar<br>
      <b>Publisher:</b>VGS
    </td>
    <td>$47</td>
    <td><input type="button" name="b7" value="Add to cart"></td>
  </tr>
  <tr align="center">
    <td></td>
    <td><b>Book:</b>Digital Signal Processing<br>
      <b>Author:</b>S Palani<br>
      <b>Publisher:</b>Ane's
    </td>
    <td>$32</td>
    <td><input type="button" name="b8" value="Add to cart"></td>
  </tr>
  <tr align="center">
    <td></td>
    <td><b>Book:</b>Teach Yourself C<br>
      <b>Author:</b>Herber Schildt<br>
      <b>Publisher:</b>SKS
    </td>
    <td>$35</td>
    <td><input type="button" name="b9" value="Add to cart"></td>
  </tr>
</table>

```

```

<a name='mech'></a>
<table width="100%">
  <tr>
    <th colspan="4">MECH</th>
  </tr>
  <tr align="center">
    <td></td>
    <td><b>Book:</b>Mechanical Engineering<br>
      <b>Author:</b>Jonathan Wickertr<br>
      <b>Publisher:</b>VGS
    </td>
    <td>$40</td>
    <td><input type="button" name="b10" value="Add to cart"></td>
  </tr>

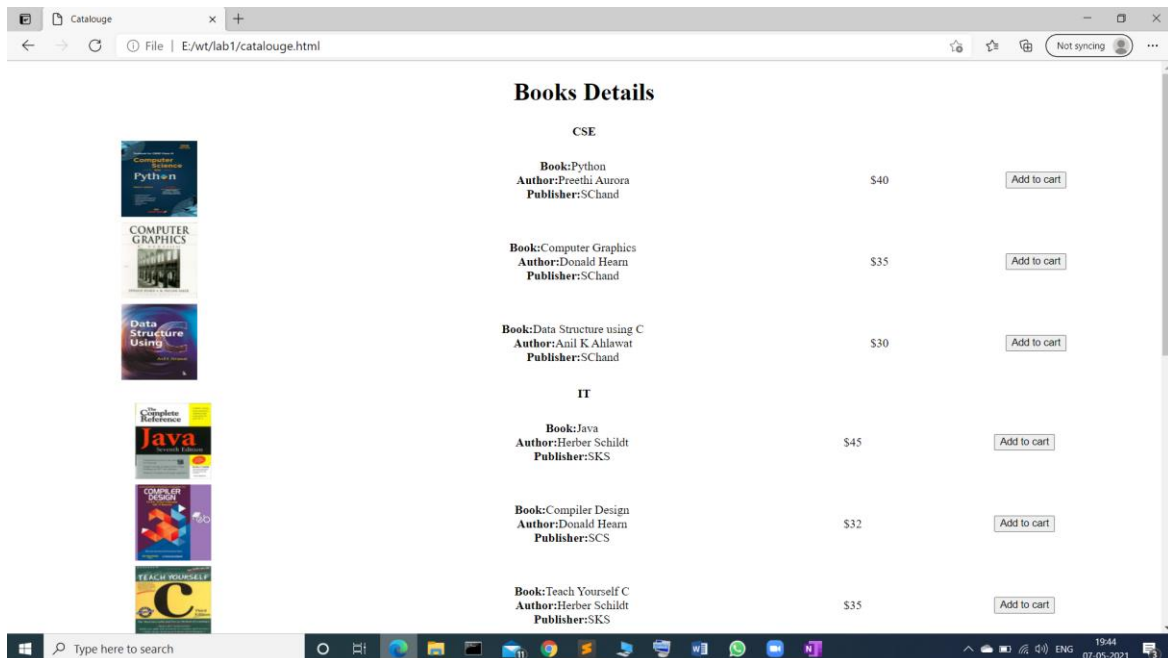
```

```

</tr>
<tr align="center">
  <td></td>
  <td><b>Book:</b>Engineering Mechanics<br>
    <b>Author:</b>Dr. D. S. Kumar<br>
    <b>Publisher:</b>VGS
  </td>
  <td>$30</td>
  <td><input type="button" name="b11" value="Add to cart"></td>
</tr>
<tr align="center">
  <td></td>
  <td><b>Book:</b>Engineering Drawing<br>
    <b>Author:</b>N. D. Bhatt<br>
    <b>Publisher:</b>Charotar
  </td>
  <td>$35</td>
  <td><input type="button" name="b12" value="Add to cart"></td>
</tr>
</table>

</body>
</html>

```



4. REGISTRATION PAGE:

Create a "registration form" with the following fields

- 1) Name (Text field)
- 2) Password (password field)
- 3) E-mail id (text field)

- 4) Phone number (text field)
- 5) Sex (radio button)
- 6) Date of birth (3 select boxes)
- 7) Languages known (check boxes – English, Telugu, Hindi, Tamil)
- 8) Address (text area)

```
<!DOCTYPE html>
<html>
<head>
<title>Register</title>
</head>
<body >
<h1 align="center">Registration</h1>
<form action="#" method="POST" >
<table align="center">
<tr>
<th>Name:</th>
<td><input type="text" name="name" placeholder="enter your name" required></td>
</tr>
<tr>
<th>Password:</th>
<td><input type="password" name="password" placeholder="enter your password"
required></td>
</tr>
<tr>
<th>Address:</th>
<td><textarea name="txt" placeholder="enter your address" cols="20"
rows="5"></textarea>
</td>
</tr>
<tr>
<th>Email:</th>
<td><input type="Email" name="email" placeholder="enter your email" required></td>
</tr>
<tr>
<th>Phone Number:</th>
<td><input type="text" name="phone" placeholder="enter your mobile number"
required></td>
</tr>
<tr>
<th>Sex:</th>
<td><input type="radio" name="sex" value="Male" > Male
<input type="radio" name="sex" value="Female" > Female </td>
</tr>
<tr>
<th>Date of Birth:</th>
<td>
<select name="day">
```

```

<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
</select>
<select name="month">
<option value="january">january</option>
<option value="february">february</option>
<option value="march">march</option>
<option value="april">april</option>
</select>
<select name="year">
<option value="2021">2021</option>
<option value="2020">2020</option>
<option value="2019">2019</option>
<option value="2018">2018</option>
</select>
</td>
</tr>
<tr>
<th>Languages Known:</th>
<td><b>English</b><input type="checkbox" name="lang1" value="English">
<b>Telugu</b><input type="checkbox" name="lang2" value="Telugu">
<b>Hindi</b><input type="checkbox" name="lang3" value="Hindi">
<b>Tamil</b><input type="checkbox" name="lang4" value="Tamil">
</td>
</tr>
</table>
<br>
<center>
<input type="submit" name="submit" value="Register">
&nbsp; &nbsp;
<input type="reset" name="reset" >
</center>
</form>
<center>
<p>18B91A12F7</p>
<p>V Sai Nirmal Vignu</p>
</center>
</body>
</html>

```

Registration

Name:

Password:

Address:

Email:

Phone Number:

Sex: ☐ Male ☐ Female

Date of Birth:

Languages Known: English ☐ Telugu ☐ Hindi ☐ Tamil ☐

18B91A12F7

V Sai Nirmal Vignu

Cart.html

```
<!DOCTYPE html>
<html>
<head>
<title>Cart</title>
</head>
<body>
<center><h1>Cart Details</h1></center>
<table border=1 width=100%>
  <tr>
    <th>Book Name</th>
    <th>Price</th>
    <th>Quantity</th>
    <th>Amount</th>
  </tr>
  <tr align="center">
    <td>Python</td>
    <td>$40</td>
    <td>2</td>
    <td>$80</td>
  </tr>
  <tr align="center">
    <td>Compiler Design</td>
    <td>$32</td>
    <td>1</td>
    <td>$32</td>
  </tr>
  <tr align="center">
    <td>Analog Circuits</td>
    <td>$47</td>
    <td>1</td>
    <td>$47</td>
  </tr>
  <tr align="center">
```

```

        <td colspan="3">Total Amount</td>
        <td>$159</td>
    </tr>
</table>
<center>
<p>18B91A12F7</p>
<p>V Sai Nirmal Vignu</p>
</center>
</body>
</html>

```

← → ↻ ⓘ File | C:/Users/18B91A12F7/Desktop/18b91a12f7/vtllab/lab1/cart.html ☆ ⚙ 👤 ⋮

Cart Details

Book Name	Price	Quantity	Amount
Python	\$40	2	\$80
Compiler Design	\$32	1	\$32
Analog Circuits	\$47	1	\$47
Total Amount			\$159

18B91A12F7
V Sai Nirmal Vignu

5. DESIGN A WEB PAGE USING CSS (Cascading Style Sheets) which includes the following:

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

SELECTORS

```

<!DOCTYPE html>
<html>
<head>
<style>
#p1 {
    text-align: center;
    color: blue;
    font-style: unset;
}

*{
    text-align: center;
    font-style: inherit;
}
</style>
</head>
<body>
<center>
<b><p>18B91A12F7</p>
<p>V Sai Nirmal Vignu</p></b>

```

</center>

<p id="p1">Hello World!</p>

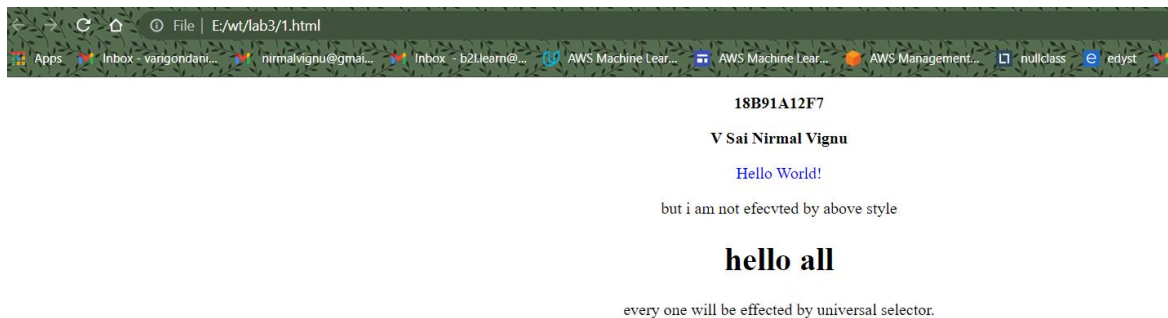
<p>but i am not effected by above style</p>

<h1>hello all</h1>

<p>every one will be effected by universal selector.</p>

</body>

</html>



<!DOCTYPE html>

<html>

<head>

<title>Group selectors</title>

<style type="text/css">

h1,p,h2{
text-align: center;
font-style:italic;
color: darkred;
}

</style>

</head>

<body>

<center>

<p>18B91A12F7</p>

<p>V Sai Nirmal Vignu</p>

</center>

<h1>hello all</h1>

<p>welcome to wt</p>

<h2>my name is Nirmal Vignu</h2>

</body>

</html>



```
<!DOCTYPE html>
<html>
<head>
<style>
p.center {
  text-align: center;
  color: red;
}

p.large {
  font-size: 300%;
  color: green;
}
h1.nrm{
  color: blue;
}
</style>
</head>
<body>
<center>
<b><p>18B91A12F7</p>
<p>V Sai Nirmal Vignu</p></b>
</center>
<h1 class="center nrm">This is normal heading</h1>
<p class="center">This paragraph will be red and center-aligned.</p>
<p class="large">This paragraph will be green, and in a large font-size.</p>

</body>
</html>
```




This is normal heading

This paragraph will be red and center-aligned.

This paragraph will be green, and in a large font-size.

6. WRITE AN XML file which will display the Book information which includes the following:

- 1) Title of the book
- 2) Author Name
- 3) ISBN number
- 4) Publisher name
- 5) Edition
- 6) Price

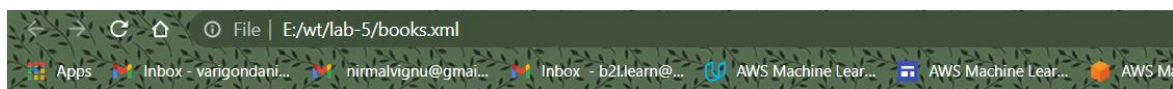
Write a Document Type Definition (DTD) to validate the above XML file.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE books [
  <!ELEMENT books (books_details+)>
  <!ELEMENT books_details (reg,title,author,isbn,publisher,edition,price)>
  <!ELEMENT reg (#PCDATA)>
  <!ELEMENT title (#PCDATA)>
  <!ELEMENT author (#PCDATA)>
  <!ELEMENT isbn (#PCDATA)>
  <!ELEMENT publisher (#PCDATA)>
  <!ELEMENT edition (#PCDATA)>
  <!ELEMENT price (#PCDATA)>
]>
<books>
  <books_details>
    <reg>18B91A12F7</reg>
    <title>Deep Learning</title>
    <author>Francois Chollet</author>
    <isbn>9781617294433</isbn>
    <publisher>Manning Publication</publisher>
    <edition>2</edition>
    <price>450</price>
  </books_details>
  <books_details>
    <reg>18B91A12F7</reg>
    <title>Machine Learning</title>
    <author>Tom M. Mitchell</author>
    <isbn>1265389659875</isbn>
    <publisher>McGraw Hill Education</publisher>
```

```

    <edition>1</edition>
    <price>550</price>
</books_details>
<books_details>
    <reg>18B91A12F7</reg>
    <title>Python Programming</title>
    <author>Dr. Andrew N. Harrington</author>
    <isbn>8765428972135</isbn>
    <publisher>Macmillan</publisher>
    <edition>2.0</edition>
    <price>350</price>
</books_details>
</books>

```



```

▼ <books>
  ▼ <books_details>
    <reg>18B91A12F7</reg>
    <title>Deep Learning</title>
    <author>Francois Chollet</author>
    <isbn>9781617294433</isbn>
    <publisher>Manning Publication</publisher>
    <edition>2</edition>
    <price>450</price>
  </books_details>
  ▼ <books_details>
    <reg>18B91A12F7</reg>
    <title>Machine Learning</title>
    <author>Tom M. Mitchell</author>
    <isbn>1265389659875</isbn>
    <publisher>McGraw Hill Education </publisher>
    <edition>1</edition>
    <price>550</price>
  </books_details>
  ▼ <books_details>
    <reg>18B91A12F7</reg>
    <title>Python Programming</title>
    <author>Dr. Andrew N. Harrington</author>
    <isbn>8765428972135</isbn>
    <publisher>Macmillan</publisher>
    <edition>2.0</edition>
    <price>350</price>
  </books_details>
</books>

```

XML AND XSLT

XML FILE

```

<?xml version="1.0"?>
<?xml-stylesheet type="text/xsl" href="lab6.xsl"?>
<movie>
  <hero>
    <name>Prabhas</name>
    <age>41</age>
    <numberofmovies>19</numberofmovies>
  </hero>
  <hero>

```

```

    <name>Mahesh Babu</name>
    <age>45</age>
    <numberofmovies>25</numberofmovies>
  </hero>
  <hero>
    <name>Pavan Kalyan</name>
    <age>49</age>
    <numberofmovies>25</numberofmovies>
  </hero>
  <hero>
    <name>Nani</name>
    <age>37</age>
    <numberofmovies>25</numberofmovies>
  </hero>
</movie>

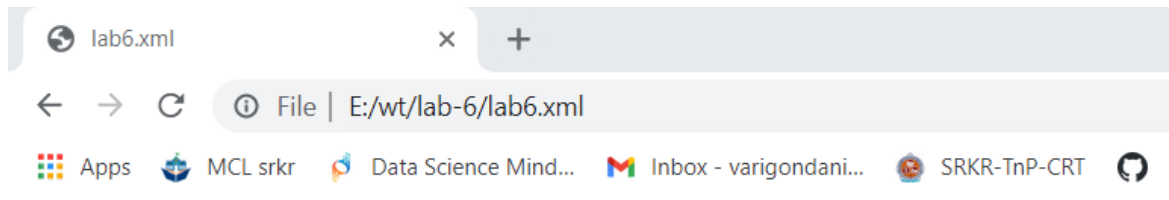
```

XSLT FILE

```

<?xml version="1.0"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="/">
    <html>
      <body>
        <table border="1">
          <tr>
            <th>Hero Name</th>
            <th>Age</th>
            <th>No of Movies</th>
          </tr>
          <xsl:for-each select="movie/hero">
            <tr>
              <td><xsl:value-of select="name"/></td>
              <td><xsl:value-of select="age"/></td>
              <td><xsl:value-of select="numberofmovies"/></td>
            </tr>
          </xsl:for-each>
        </table>
      </body>
    </html>
  </xsl:template>
</xsl:stylesheet>

```



Hero Name	Age	No of Movies
Prabhas	41	19
Mahesh Babu	45	25
Pavan Kalyan	49	25
Nani	37	25

LOGIN validation

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<script type="text/javascript" >  
    function login(){
```

```
document.getElementById("n1").innerHTML="";
```

```
document.getElementById("n2").innerHTML="";
```

```
var uname=document.getElementById('uname').value;
```

```
var pwd=document.getElementById('password').value;
```

```
var ru=/^[a-zA-Z0-9]+$;/
```

```
var rp=/^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])(?=.*^[a-zA-Z0-9])(?!.*\s){8,}$/;
```

```
if(uname.length!=10)
```

```
{
```

```
    document.getElementById("n1").innerHTML="The Username can be anything with  
letters and numbers.(Must be of length 10 characters)";
```

```
    return false;
```

```
}
```

```
    else if(!pwd.match(rp)){
```

```
        document.getElementById("n2").innerHTML="The password must contain a capital  
letter, a small letter, a number and a special character. It should be minimum of 8  
characters and maximum of characters.";
```

```
        return false;
```

```
    }
```

```
    alert('login successful:');
```

```
    return true;
```

```

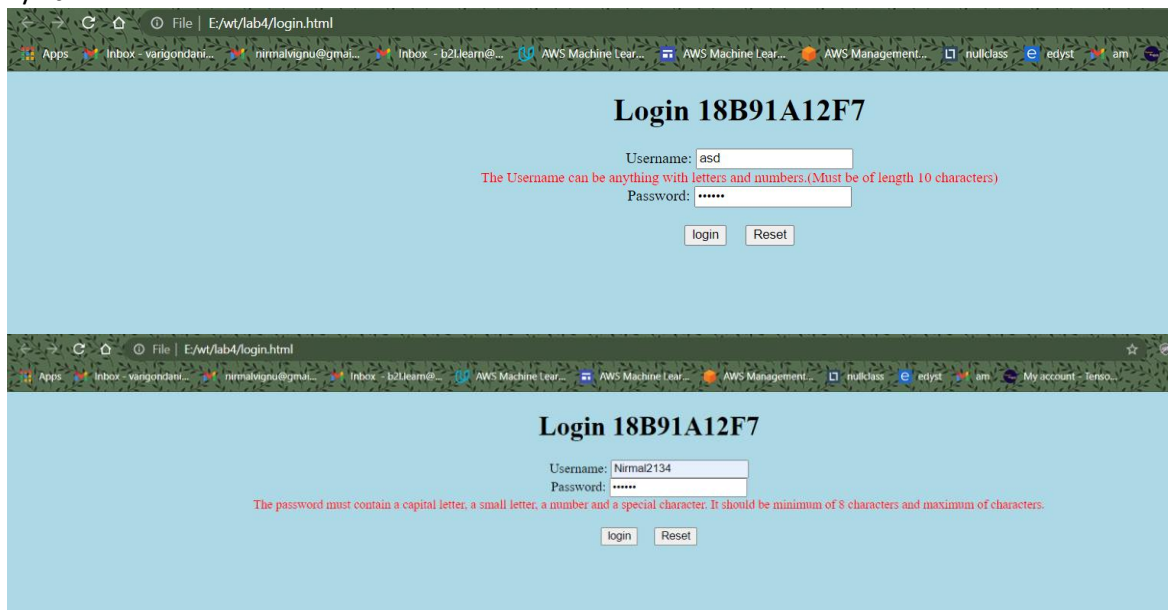
}
</script>
<title>Login</title>
</head>
<body bgcolor="lightblue">
    <h1 align="center">Login 18B91A12F7</h1>
    <form action="#" method="post" onsubmit="return login()" style="text-align:
center;">

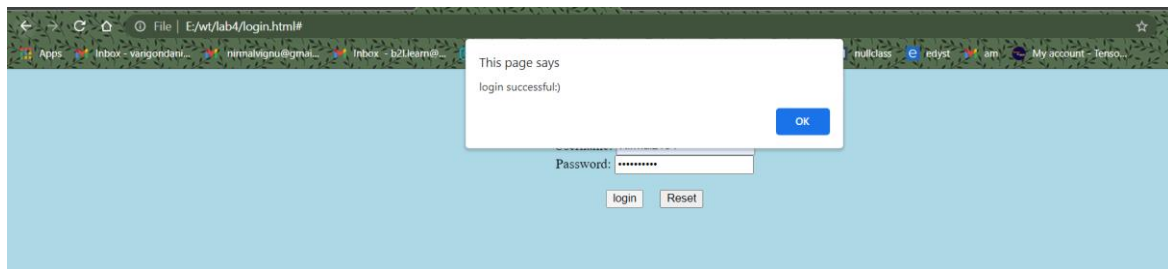
        Username:
        <input type="text" name="uname" placeholder="enter your
username" id="uname" required>

        <div style="font-size: 15px; color: red;" id="n1"></div>
        Password:
        <input type="password" name="password"
placeholder="enter your password" id="password" required>
        <div style="font-size: 15px; color: red;" id="n2"></div>

        <br>
        <center>
        <input type="submit" name="submit" value="login" >
        &nbsp; &nbsp;
        <input type="reset" name="reset" >
        </center>
    </form>
</body>
</html>

```





REGISTRATION FORM VALIDATION

```
<!DOCTYPE html>
<html>
<head>
    <title>form</title>
</head>
<body>
    <form action="#" method="POST" onsubmit="return fun()" style="text-align:
center;" >

        <h1 align="center">Registration Form</h1>
        Name:&nbsp;
        <input type="text" name="name" id="name" required>

        <div style="font-size: 15px; color: red;" id="n1"></div><br>
        Password:
        <input type="password" name="pwd" id="pwd" required>
        <div style="font-size: 15px; color: red;" id="n3"></div><br>
        Email:&nbsp;
        <input type="text" name="email" id="email" required>
        <div style="font-size: 15px; color: red;" id="n4"></div>
        <br>
        Phone number:&nbsp;
        <input type="text" name="phone" id="phone" required>
        <div style="font-size: 15px; color: red;" id="n2"></div><br>

        <input type="submit" value="Register" >
        &nbsp;&nbsp;&nbsp;
        <input type="reset" name="reset" ></td>
    </form>

    <script type="text/javascript">
        function fun()
        {
            document.getElementById("n1").innerHTML=""
            document.getElementById("n2").innerHTML=""
            document.getElementById("n3").innerHTML=""
            document.getElementById("n4").innerHTML=""

            var name =document.getElementById('name').value;
```

```

var pwd=document.getElementById('pwd').value;
var email=document.getElementById('email').value;
var phone=document.getElementById('phone').value;

var rp=/^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])(?=.*[a-zA-Z0-9])(?!\s){8,}$$/;
var words = name.split(" ");
var rem=/^[a-zA-Z][_a-zA-Z0-9]{5,29}@gmail.com$/;

for (let i = 0; i < words.length; i++) {
  words[i] = words[i][0].toUpperCase() + words[i].substr(1);
}

var k=words.join(" ");

if (name!=k) {
  document.getElementById("n1").innerHTML="The first Letter
of every word in the name should be Capital.";
  return false;
}

else if(!pwd.match(rp)){
  document.getElementById("n3").innerHTML="The password
must contain a capital letter, a small letter, a number and a special character. It should be
minimum of 8 characters and maximum of characters.";
  return false;
}
else if(!email.match(rem)){
  document.getElementById("n4").innerHTML="Email should
contain '@gmail.com' in the end";
  return false;
}
else if(phone.length!=10){
  document.getElementById("n2").innerHTML="Enter valid 10
digit mobile number";
  return false;
}

alert("registered successfully:");

return true;

```

```
}  
</script>
```

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



Registration Form 18B91A12F7

Name:

The first Letter of every word in the name should be Capital.

Password:

Email:

Phone number:



Registration Form 18B91A12F7

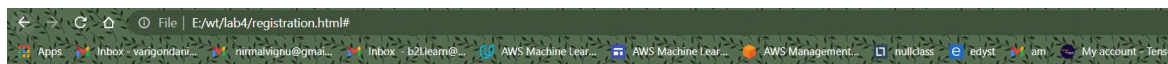
Name:

Password:

Email:

Email should contain '@gmail.com' in the end

Phone number:



Registration Form 18B91A12F7

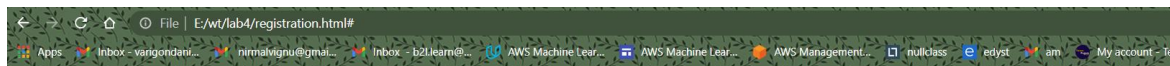
Name:

Password:

The password must contain a capital letter, a small letter, a number and a special character. It should be minimum of 8 characters and maximum of characters.

Email:

Phone number:



Registration Form 18B91A12F7

Name:

Password:

Email:

Phone number:

Enter valid 10 digit mobile number



This page says

registered successfully)

Password:

Email:

Phone number:

7. Write Ruby program reads a number and calculates the factorial value of it and prints the Same.

```
puts "18B91A12F7"  
puts "Enter a number"  
num=gets.chomp.to_i  
fact=(1..num).inject(1, :*)  
puts "Factorial of #{num} is #{fact}"
```

```
Microsoft Windows [Version 10.0.19043.1165]  
(c) Microsoft Corporation. All rights reserved.
```

```
E:\wt\Lab-7>ruby ruby1.rb
```

```
18B91A12F7
```

```
Enter a number
```


```
4
```

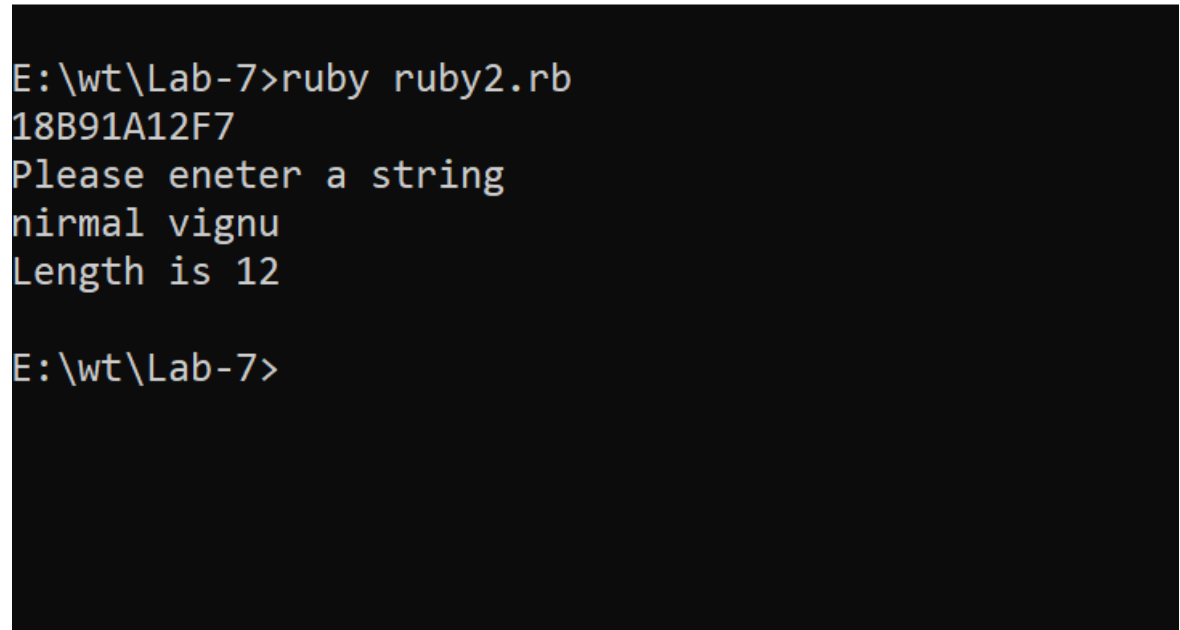
```
Factorial of 4 is 24
```

```
E:\wt\Lab-7>
```

9. Write a Ruby program that uses iterator to find out the length of a string.

```
puts "18B91A12F7"  
puts "Please eneter a string"  
count = 0  
s = gets.chomp  
s.split("").each do |i|  
  count+=1  
end  
puts "Length is #{count}"
```

 C:\WINDOWS\System32\cmd.exe



```
E:\wt\Lab-7>ruby ruby2.rb  
18B91A12F7  
Please eneter a string  
nirmal vighu  
Length is 12  
  
E:\wt\Lab-7>
```

10. Write simple Ruby programs that uses arrays in Ruby.

```
puts "18B91A12F7"
```

```
arr=Array(2..9)
```

```
puts " size of array is #{arr.length()}"
```

```
puts " array elements are #{arr}"
```

C:\WINDOWS\System32\cmd.exe

```
E:\wt\Lab-7>ruby ruby4.rb
18B91A12F7
size of array is 8
array elements are [2, 3, 4, 5, 6, 7, 8, 9]

E:\wt\Lab-7>
```

11. Write programs which uses associative arrays concept of Ruby.

```
puts "18B91A12F7"
shortcut = Hash.new;
shortcut = {"WT"=>"Web Technology","CN"=>"Computer Networks","OS"=>"Operating Systems"};
size = shortcut.length;
puts "Size of hash is: #{size}";
shortcut.each do |key,val|
puts "#{key} full form is #{val}"
end
```

C:\WINDOWS\System32\cmd.exe

```
E:\wt\Lab-7>ruby ruby5.rb
18B91A12F7
Size of hash is: 3
WT full form is Web Technology
CN full form is Computer Networks
OS full form is Operating Systems

E:\wt\Lab-7>
```

12. Write Ruby program which uses Math module to find area of a triangle.

```
puts "18B91A12F7"
puts "Enter length of sides a,b,c:"
a=gets.chomp.to_i
b=gets.chomp.to_i
c=gets.chomp.to_i
```

```
s=(a+b+c)/2
area=Math.sqrt(s*(s-a)*(s-b)*(s-c))
puts "Area of the triangle:#{area}"
```

C:\WINDOWS\System32\cmd.exe

```
E:\wt\Lab-7>ruby ruby3.rb
18B91A12F7
Enter length of sides a,b,c:
12
13
14
Area of the triangle:63.166446789415026

E:\wt\Lab-7>
```

CRUD OPEARTIONS

Index.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Home</title>
</head>
<body>
  <h1 align="center">CRUD Operations 18B91A12F7</h1>
  <table align="center" cellpadding="20px" style="margin-top: 100px">
    <tr>
      <td>
        <a href="insert.php">Insert</a>
      </td>
      <td>
        <a href="update.php">Update</a>
      </td>
      <td>
        <a href="display.php">Display</a>
      </td>
      <td>
        <a href="delete.php">Delete</a>
      </td>
    </tr>
  </table>
</body>
</html>
```

```

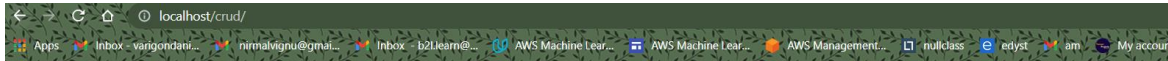
        </tr>
    </table>

```

```

</body>
</html>
/html>

```



CRUD Operations 18B91A12F7

[Insert](#)
[Update](#)
[Display](#)
[Delete](#)

Insert.php

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <title>Insert</title>
</head>
<body>
    <h1 align="center">Insert Data 18B91A12F7</h1>
    <form action="insert.php" method="post" align='center'>
        ID:<input type="text" name="id">
        <br><br>
        Name:<input type="text" name="name">
        <br><br>
        Marks:<input type="text" name="marks">
        <br><br>
        <input type="submit" name="submit" value="Insert">
    </form>

    <?php
    if(isset($_POST['submit'])){
        include('dbconnect.php');
        $id=$_POST['id'];
        $name=$_POST['name'];
        $marks=$_POST['marks'];
        $query="INSERT INTO STUDENT VALUES('$id','$name','$marks')";
        $res=mysqli_query($con,$query);
        if ($res) {

            header("Location: display.php");

```

```

    } else {
    echo "Error: " . $query . "<br>" . mysqli_error($con);
    }

mysqli_close($con);
}

?>

```

```

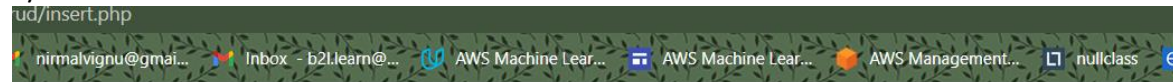
</body>

```

```

</html>

```



Insert Data 18B91A12F7

ID:

Name:

Marks:

After clicking insert



Details 18B91A12F7

Id	Name	Marks
1	nirmal	80
2	Nirmal_Vignu	88
3	varigonda nirmal	78

Update.php

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <title>Update</title>
</head>
<body>
    <h1 align="center">Update Data 18B91A12F7</h1>

    <form action="update.php" method="post" align='center' >
        ID:<input type="text" name="id">
        <br>
        <input type="submit" name="submit" value="select">
    </form>
    <?php
    if(isset($_POST['submit'])){
        include('dbconnect.php');
        $id=$_POST['id'];

        $edit = mysqli_query($con,"select * from student where id ='$id'");

        if(!$edit)
        {
            echo "Error accessing record";
        }
        else{
            $row = mysqli_fetch_assoc($edit);
            if($row){
                $name=$row["name"];
                $marks=$row["marks"];
            } ?>
            <br><br>
            <form action="update.php" method="post" align='center'>
            ID:<input type="text" name="id" value="<?php echo $id; ?>" readonly>
            <br><br>
            Name:<input type="text" name="name" value="<?php echo $name; ?>">
            <br><br>
            Marks:<input type="text" name="marks" value="<?php echo $marks; ?>">
            <br><br>
            <input type="submit" name="submit1" value="update">
        </form>
        <?php }
    }

    ?>
    <?php
    if(isset($_POST['submit1'])){

```

```

include('dbconnect.php');
$id=$_POST['id'];
$name=$_POST['name'];
$marks=$_POST['marks'];
$query="UPDATE STUDENT SET name='$name',marks='$marks' where
id='$id' ";

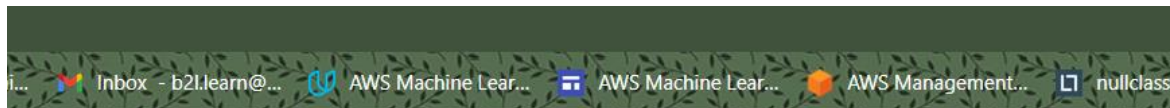
$res=mysqli_query($con,$query);
if ($res) {

        header("Location: display.php");
    } else {
        echo "Error: " . $query . "<br>" . mysqli_error($con);
    }

mysqli_close($con);
}

?>
</body>
</html>

```



Update Data 18B91A12F7

ID:

After clicking select

Update Data 18B91A12F7

ID:

ID:

Name:

Marks:

After click update

Details 18B91A12F7

Id	Name	Marks
1	nirmal	80
2	Nirmal_Vignu	88
3	varigonda nirmal	90

Display.php

```
<?php
include('dbconnect.php');
?>
<?php
$sql='select * from student';
$res=mysqli_query($con,$sql);
if($res){
    ?>
    <h1 align="center" style="padding-top:30px">Details 18B91A12F7</h1>
    <table border="1" cellpadding="0" align="center">
        <tr>
            <th>Id</th>
            <th>Name</th>
            <th>Marks</th>
        </tr>
        <?php
        while($row=mysqli_fetch_assoc($res)){
            ?>
            <tr>
                <td><?php echo $row['id']; ?></td>
                <td><?php echo $row['name']; ?></td>
                <td><?php echo $row['marks']; ?></td>
            </tr>
        <?php } ?>
    </table>
    <?php }
?>
```

Details 18B91A12F7

Id	Name	Marks
1	nirmal	80
2	Nirmal_Vignu	88
3	varigonda nirmal	90

Delete.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <meta charset="utf-8">
```

```
    <title>Update</title>
```

```
</head>
```

```
<body>
```

```
    <h1 align="center">Delete Data 18B91A12F7</h1>
```

```
    <form action="delete.php" method="post" align='center' >
```

```
        ID:<input type="text" name="id">
```

```
        <br>
```

```
        <input type="submit" name="submit" value="delete">
```

```
    </form>
```

```
    <?php
```

```
    if(isset($_POST['submit'])){
```

```
        include('dbconnect.php');
```

```
        $id=$_POST['id'];
```

```
        $edit = mysqli_query($con,"delete from student where id ='$id'");
```

```
        if(!$edit)
```

```

    {
    echo "Error deleting record";
    }
    else{

        header("Location: display.php");

    }

mysqli_close($con);
}

?>
</body>
</html>

```



Delete Data 18B91A12F7

ID:

After clicking delete



Details 18B91A12F7

Id	Name	Marks
1	nirmal	80
2	Nirmal_Vignu	88

COOKIES & SESSIONS

Cookie.sql

```
CREATE TABLE `user` (  
  `userid` int(11) NOT NULL,  
  `username` varchar(30) NOT NULL,  
  `password` varchar(30) NOT NULL,  
  `fullname` varchar(60) NOT NULL  
)  
INSERT INTO `user` (`userid`, `username`, `password`, `fullname`) VALUES  
(21, 'nirmal', 'kittu2122', 'nirmal vignu'),  
  
ALTER TABLE `user`  
ADD PRIMARY KEY (`userid`);  
ALTER TABLE `user`  
MODIFY `userid` int(50) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;COMMIT;
```

Conn.php

```
<?php  
$conn = mysqli_connect("localhost","root","","cookie");  
  
// Check connection  
if (mysqli_connect_errno())  
{  
  echo "Failed to connect to MySQL: " . mysqli_connect_error();  
}  
?>
```

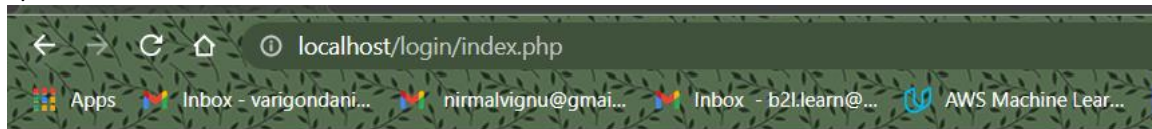
Index.php

```
<?php  
    session_start();  
    include('conn.php');  
?>  
<!DOCTYPE html>  
<html>  
<head>  
<title>Login Using Cookie with Logout</title>  
</head>  
<body>  
    <h2>Login Form 18B91A12F7</h2>  
    <form method="POST" action="login.php">  
        <label>Username:</label> <input type="text" value="<?php if  
(isset($_COOKIE["user"])){echo $_COOKIE["user"];}?>" name="username">  
        <label>Password:</label> <input type="password" value="<?php if  
(isset($_COOKIE["pass"])){echo $_COOKIE["pass"];}?>" name="password"><br><br>  
        <input type="checkbox" name="remember"> Remember me <br><br>  
        <input type="submit" value="Login" name="login">  
    </form>
```

```

<span>
<?php
    if (isset($_SESSION['message'])){
        echo $_SESSION['message'];
    }
    unset($_SESSION['message']);
?>
</span>
</body>
</html>

```



Login Form 18B91A12F7

Username: Password:

☐ Remember me

Login.php

```

<?php
    if(isset($_POST['login'])){

        session_start();
        include('conn.php');

        $username=$_POST['username'];
        $password=$_POST['password'];

        $query=mysqli_query($conn,"select * from `user` where username='$username' &&
password='$password'");

        if (mysqli_num_rows($query) == 0){
            $_SESSION['message']="Login Failed. User not Found! 18B91A12F7";
            header('location:index.php');
        }
        else{
            $row=mysqli_fetch_array($query);

            if (isset($_POST['remember'])){
                //set up cookie
                setcookie("user", $row['username'], time() + (86400 * 30));
                setcookie("pass", $row['password'], time() + (86400 * 30));
            }
        }
    }

```

```

        $_SESSION['id']=$row['userid'];
        header('location:success.php');
    }
}
else{
    header('location:index.php');
    $_SESSION['message']="Please Login!";
}
?>

```

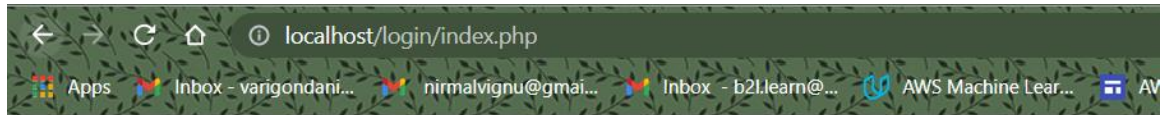
Success.php

```

<?php
session_start();

if (!isset($_SESSION['id']) || (trim ($_SESSION['id']) == '')) {
    header('index.php');
    exit();
}
include('conn.php');
$query=mysqli_query($conn,"select * from user where userid='".$_SESSION['id']."'");
$row=mysqli_fetch_assoc($query);
?>
<!DOCTYPE html>
<html>
<head>
<title>Setting Up Cookie on User Login</title>
</head>
<body>
    <h2>Login Success 18B91A12F7</h2>
    <?php echo $row['fullname']; ?>
    <br>
    <a href="logout.php">Logout</a>
</body>
</html>

```



Login Form 18B91A12F7

Username: Password:

☒ Remember me

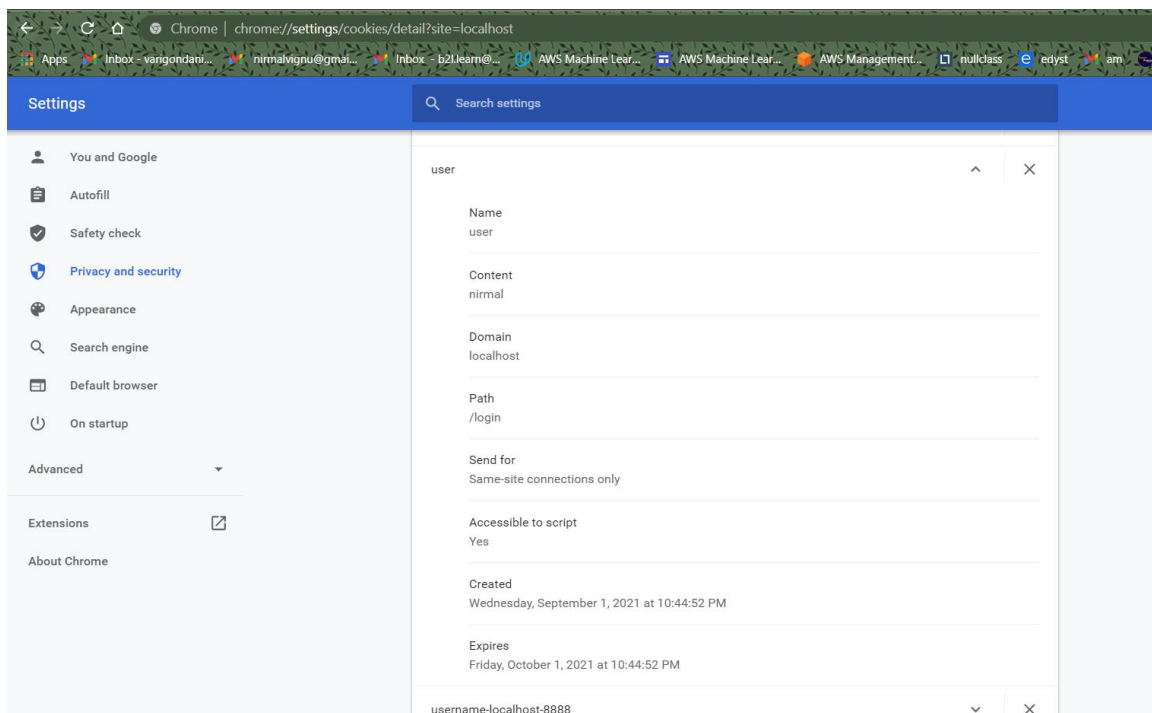
Login



Login Success 18B91A12F7

Nirmal Vignu

[Logout](#)



Logout.php

```
<?php
    session_start();
    session_destroy();

    if (isset($_COOKIE["user"]) AND isset($_COOKIE["pass"])){
        setcookie("user", "", time() - (3600));
        setcookie("pass", "", time() - (3600));
    }

    header('location:index.php');

?>
```