WEB-TECHNOLOGIES LAB

1. Design Time Table using HTML Table tag.

<html>

<head>

<style> td,th { width:100px

}

</style>

</head>

<body>

<center>

<h2>Department of Computer Science and Engineering</h2>

<h5>SRKR Engg College(Autonomous)(Affiliated to JNTU, Kakinada),China- miram,Bhimavaram-534 204,India</h5>

<table border="1" cellspacing="0" cellpadding="3">

<tr bgcolor="blue" height="20px">

<td colspan="10"></td>

</tr>

<tr>

<th>2/4CSE-D</th>

<th colspan="4" align="center">2021-22 1st Semester Time Table</th>

<td style=" width:7px"></td>

<th colspan="3" align="right">Room:</th>

<th align="left">C-202</th>

</tr>

<tr align="center">

<td></td>

<td bgcolor="lightgrey"><b>1</b></td>

<td><b>2</b></td>

<td bgcolor="lightgrey"><b>3</b></td>

<td><b>4</b></td>

<td style=" width:7px"></td>

<td bgcolor="lightgrey"><b>5</b></td>

<td><b>6</b></td>

<td bgcolor="lightgrey"><b>7</b></td>

<td><b>8</b></td>

</tr>

<tr align="center">

<td align="right">Mon</td>

<td>DWDM</td>

<td>DWDM</td>

<td>CG</td>

<td>CG</td>

<td style=" width:7px"></td>

<td colspan="4" align="center">ACLAB</td>

</tr>

<tr align="center">

<td bgcolor="lightgrey" align="right">Tue</td>

<td colspan="4">WTLAB</td>

<td style=" width:7px"></td>

<td>CN</td>

<td>CN</td>

<td>WT</td>

<td>WT</td>

</tr>

<tr align="center">

<td align="right">Wed</td>

<td>CN</td>

<td>CN</td>

<td>FLAT</td>

<td>FLAT</td>

<td style=" width:7px"></td>

<td>ES-1(QA)</td>

<td>ES-1(QA)</td>

<td></td>

<td></td>

</tr>

<tr align="center">

<td align="right" bgcolor="lightgrey">Thu</td>

<td>WT</td>

<td>WT</td>

<td>ES-1(VA)</td>

<td>ES-1(VA)</td>

<td style=" width:7px"></td>

<td>CG</td>

<td>CG</td>

<td>DWDM</td>

<td>DWDM</td>

</tr>

<tr align="center">

<td align="right">Fri</td>

<td>FLAT</td>

<td>FLAT</td>

<td></td>

<td></td>

<td style=" width:7px"></td>

<td colspan="4">D1&D2 CNLAB</td>

</tr>

<tr align="center">

<td align= "right" bgcolor="lightgrey">Sat</td>

<td colspan="4">DMLAB</td>

<td style=" width:7px"></td>

<td></td>

<td></td>

<td></td>

<td></td>

</tr>

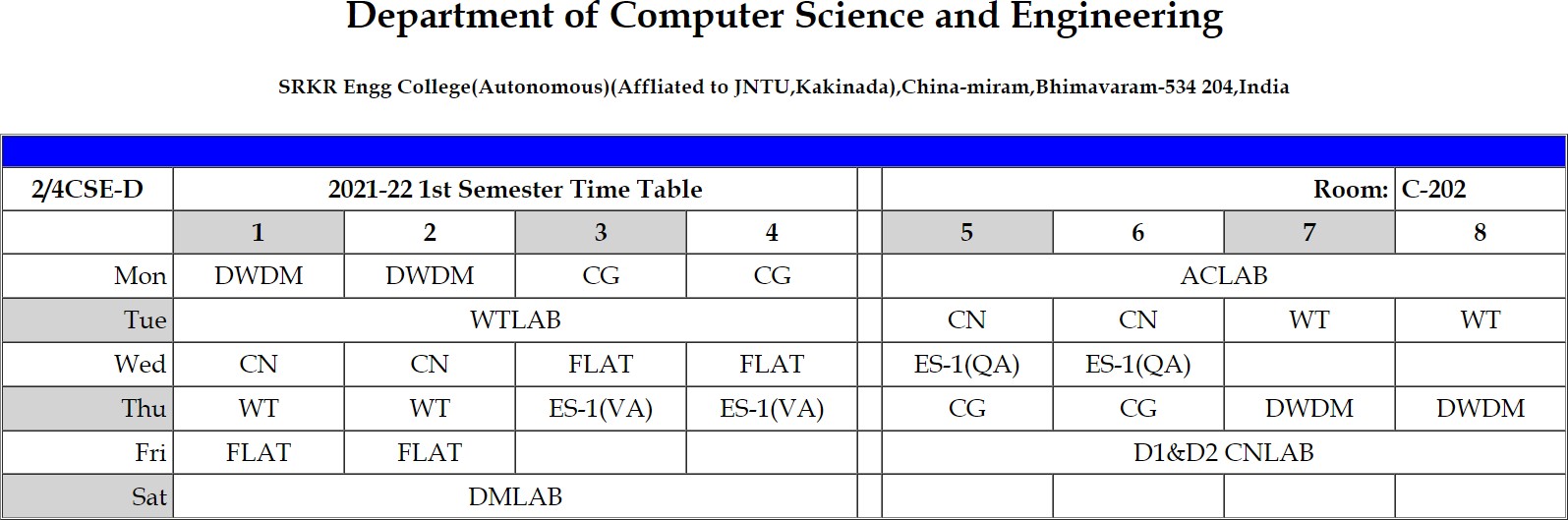
</table>

</center>

</body>

</html>

# OUTPUT



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

HOMEPAGE:

The static home page must contain three **frames**.

**Top frame**: Logo and the college name and links to Homepage, Login page, Registration page,

Catalogue page and Cart page (the description of these pages will be given below).

**Left frame**: At least four links for navigation, which will display the catalogue of respective

links.

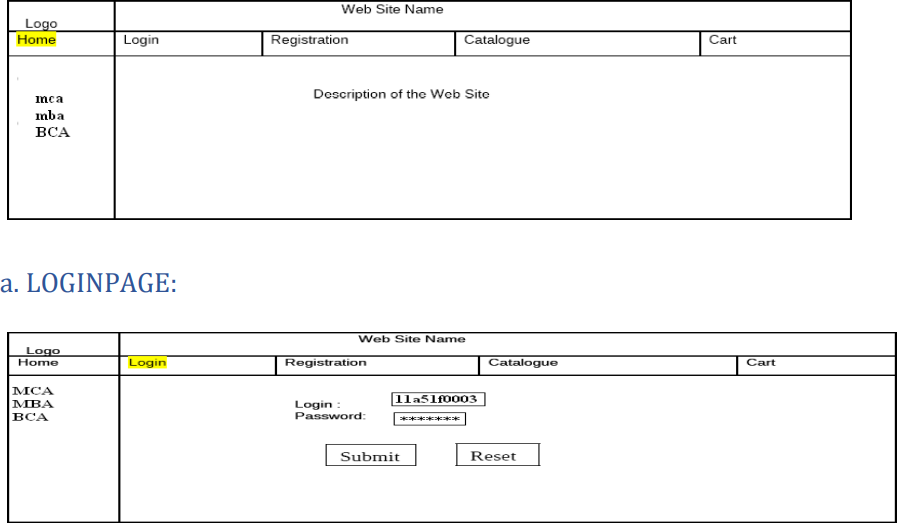
For e.g.: When you click the link **“MCA”** the catalogue for MCA Books should be displayed in

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 website



# b. CATOLOGUEPAGE:

The catalogue page should contain the details of all the books available in the website in a table: The details should contain the following:

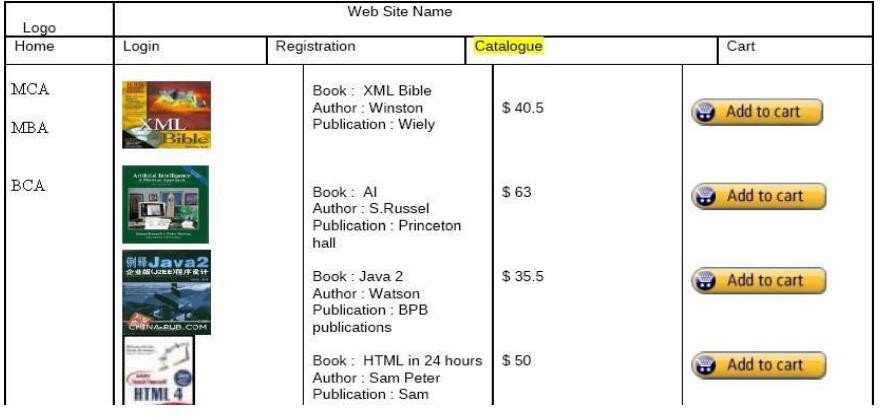
●Snapshot of Cover Page.

●Author Name.

●Publisher.

●Price.

c. Add to cart button.



(d).**REGISTRATIONPAGE**:

Create a “registration form “with the following fields

1) Name (Text field) 2) Password (password field)

3) E-mailid (text field) 4) Phone number (text field)

5) Sex(radio button) 6)Date of birth(3selectboxes) Languages known (checkboxes–English, Telugu, Hindi, Tamil)

Address (text area)

# frames.html

<html>

<head>

<title>Website</title>

</head>

<frameset rows="40%,8%,\*">

<frame src="head.html">

<frame src="second.html">

<frameset cols="15%,\*">

<frame src="third.html">

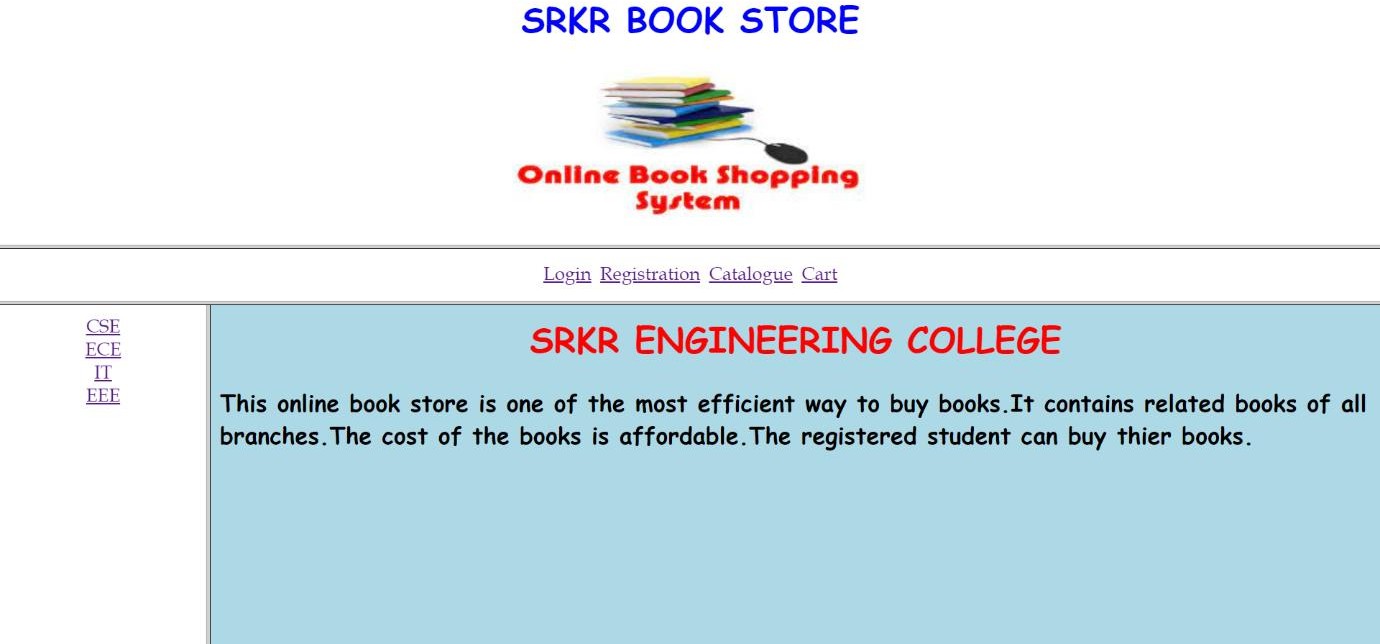
<frame src="content.html" name="contentarea">

</frameset>

</frameset>

</html>

# OUTPUT:



**head.html**

<html>

<head>

<style> h2{

font-family: cursive; color: blue;

font-size: 30px;

}

</style>

</head>

<body>

<center>

<h2>SRKR BOOK STORE</h2>

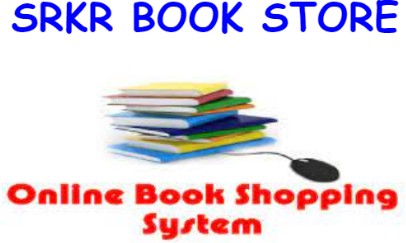
<img src="onlinebookstore.jpg">

</center>

</body>

</html>

# OUTPUT:



**second.html**

<html>

<body>

<center>

<table>

<tr>

<td><a href="login.html" target="contentarea">Login </a></td>

<td></td>

<td><a href="register.html" target="contentarea">Registration </a></td>

<td></td>

<td><a href="catalogue.html" target="contentarea">Catalogue </a></td>

<td></td>

<td><a href="cart.html" target="contentarea">Cart </a></td></tr>

</table>

</center>

</body>

</html>

# OUTPUT:



**third.html**

<html>

<body>

<center>

<a href="cse.html" target="contentarea">CSE</a>

<br>

<a href="ece.html" target="contentarea">ECE</a>

<br>

<a href="it.html" target="contentarea">IT</a>

<br>

<a href="eee.html" target="contentarea">EEE</a>

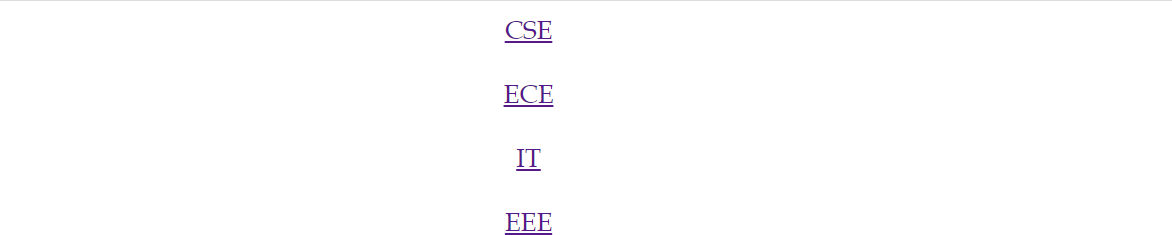
<br>

</center>

</body>

</html>

# OUTPUT:



**content.html**

<html>

<head>

<style> h1{

font-family: cursive; font-size: 30px; color: red;

}

h3{

font-family: cursive; font-size: 20px;

}

</style>

</head>

<body bgcolor="lightblue">

<center>

<h1>SRKR ENGINEERING COLLEGE</h1>

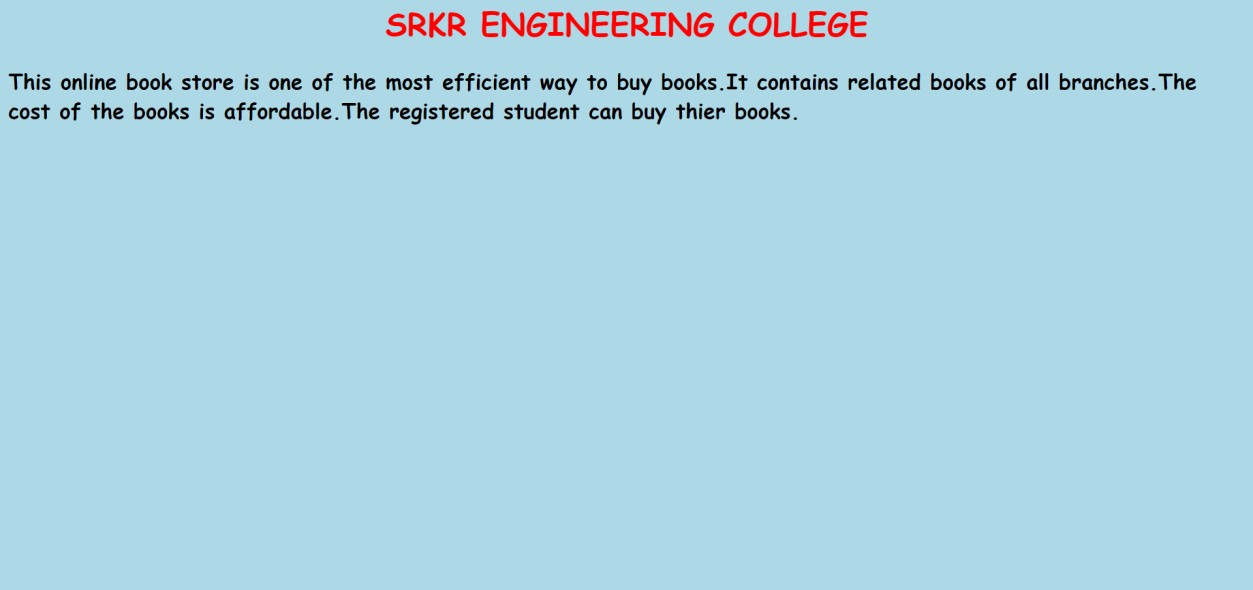
<h3 style="text-align: left;">This online book store is one of the most efficient way to buy books. It contains related books of all branches. The cost of the books is affordable. The registered student can buy their books.</h3>

</center>

</body>

</html>

# OUTPUT:



**login.html**

<html>

<head>

<style> h4{

font-family: cursive

}

h2{

font-family: cursive; font-size: 30px; color: red;

}

</style>

</head>

<body>

<center>

<form>

<table>

<tr>

<h2>LOGIN</h2>

</tr>

<tr>

<th><h4>Username:</h4></th>

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

</tr>

<tr>

<th><h4>Password:</h4></th>

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

</tr>

<tr>

<th><input type="submit" value="login" style="font-family: cursive;"></th>

<td><input type="reset" value="reset" style="font-family: cursive;"></td>

</tr>

</table>

</form>

</center>

</body>

</html>

# OUTPUT:



**register.html**

<html>

<head>

<style> h4{

font-family: cursive, sans-serif; font-size: 20px;

}

h2{

font-family: cursive; font-size: 30px; color: red;

}

</style>

</head>

<body>

<center>

<form>

<table>

<tr>

<h2>REGISTER</h2>

</tr>

<tr>

<td><h4>Name:</h4></td>

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

</tr>

<tr>

<td><h4>Username:</h4></td>

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

</tr>

<tr>

<td><h4>Password:</h4></td>

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

</tr>

<tr>

<td><h4>Address:</h4></td>

<td><textarea name="address" cols="21" rows="3"></textarea></td>

</tr>

<tr>

<td><h4>Email:</h4></td>

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

</tr>

<tr>

<td><h4>Contact:</h4></td>

<td><input type="text" maxlength="10" ></td>

</tr>

<tr>

<td><h4>DOB:</h4></td>

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

</tr>

<tr>

<td><h4>Gender:</h4></td>

<td><input type="radio" name="group2">Female

<input type="radio" name="group2">Male<br></td>

</tr>

<tr>

<td><h4>Branch:</h4></td>

<td>

<input type="radio" name="group1" >CSE

<input type="radio" name="group1" >EEE<br>

<input type="radio" name="group1" >ECE

<input type="radio" name="group1" >IT<br></td>

</tr>

<tr>

<td><h4>Languages Known:</h4></td>

<td><input type="checkbox">English

<input type="checkbox">Hindi

<input type="checkbox">Telugu</td>

</tr>

<tr>

<td><input type="submit" value="Register" style="font-family: cursive;"></td>

</tr>

</table>

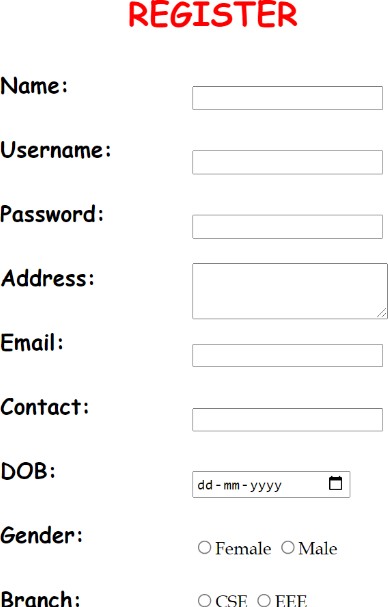
</form>

</center>

</body>

</html>

# OUTPUT:



**catalogue.html**

<html>

<head>

<style> img{

width: 70px; height: 50px;

}

</style>

</head>

<body>

<center>

<form>

<table style="text-align: center;" border="1" cellspacing="0" cellpadding="3">

<tr>

<td width="100px"><img src="ds.jpg" ></td>

<td width="300px">BookName: DataStructures<br> Author Name: Sravya<br>Branch: CSE</td>

<td width="100px">Price: $30</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="java.jpg" ></td>

<td width="300px">BookName: Java<br>Author Name: Supraja<br>Branch: CSE</td>

<td width="100px">Price: $35</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="python.jpg"></td>

<td width="300px">BookName: Python Programming<br>Author Name: Sheema<br>Branch: CSE</td>

<td width="100px">Price: $40</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="computer-and-communication.jpg" ></td>

<td width="300px">BookName: Computer-and-Communication<br> Author Name: Sunny<br>Branch: ECE</td>

<td width="100px">Price: $70</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="DCN.jpg"></td>

<td width="300px">BookName: Data Communications and Networks<br>Author Name: Sonu<br>Branch: ECE</td>

<td width="100px">Price: $35</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="power.jpg"></td>

<td width="300px">BookName: Power Electronics<br>Author Name: Shannu<br>Branch: ECE</td>

<td width="100px">Price: $30</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="anacir.jpg" ></td>

<td width="300px">BookName: Analog and Digital Electronics<br>Author Name: Suniana<br>Branch: ECE</td>

<td width="100px">Price: $45</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="os.jpg" ></td>

<td width="300px">BookName: Operating Systems<br>Author Name: Siri<br>Branch: IT</td>

<td width="100px">Price: $25</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="oose.jpg" ></td>

<td width="300px">BookName: Object-Oriented Software Engineering<br>Author Name: Harsha<br>Branch: IT</td>

<td width="100px">Price: $35</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="rit.jpg" ></td>

<td width="300px">BookName: RProgramming<br>Author Name: Lalitha<br>Branch: IT</td>

<td width="100px">Price: $40</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="powerelectronics.jpg" ></td>

<td width="300px">BookName: Power Electronics<br>Author Name: Ramya<br>Branch: EEE</td>

<td width="100px">Price: $45</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="microwave.jpg" ></td>

<td width="300px">BookName: Microwave and Antennas<br> Author Name: Karthik<br>Branch: EEE</td>

<td width="100px">Price: $60</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="microcontroller.jpg"></td>

<td width="300px">BookName: Microcontroller-8051<br>Author Name: Vivek<br>Branch: EEE</td>

<td width="100px">Price: $35</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="microprocessor.jpg" ></td>

<td width="300px">BookName: Microprocessor Architecture<br>Author Name: Shankar<br>Branch: EEE</td>

<td width="100px">Price: $15</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

</table>

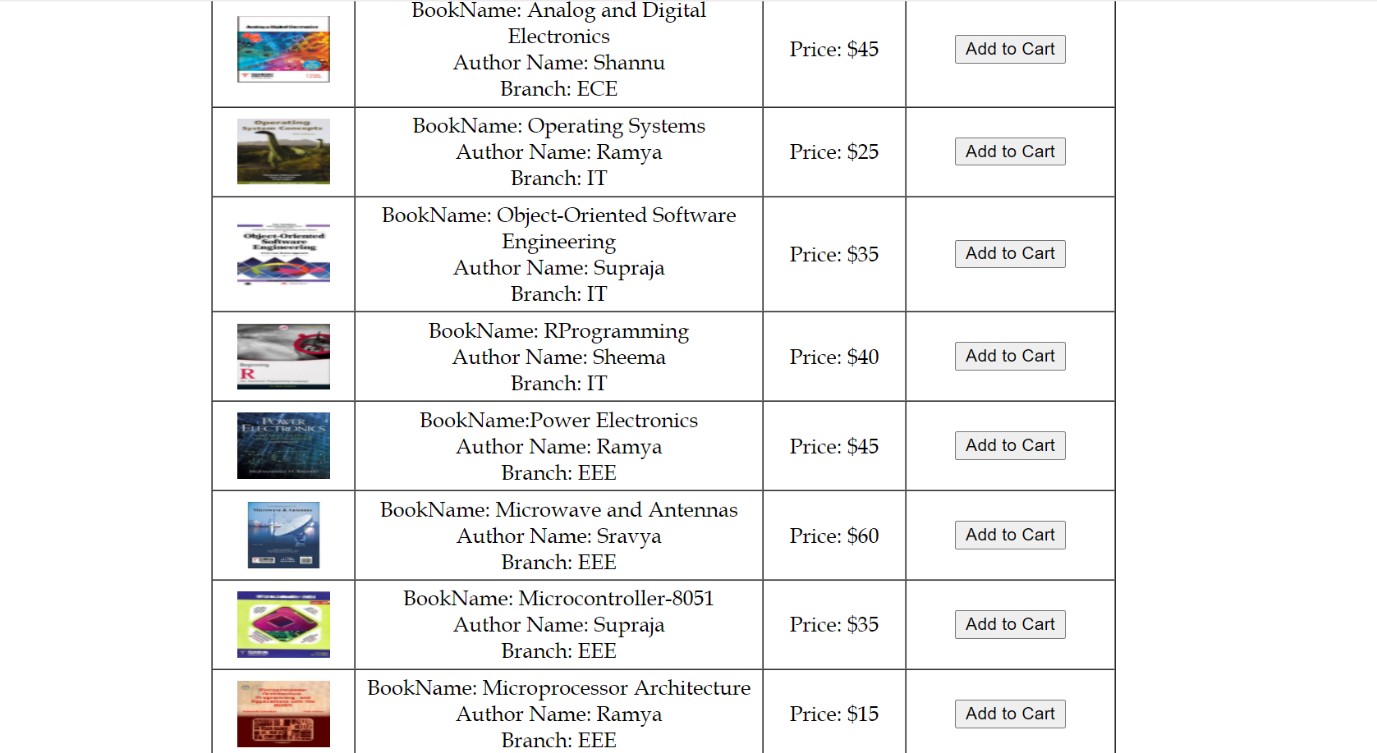
</form>

</center>

</body>

</html>

# OUTPUT:



**cart.html**

<html>

<head>

<style> th{

width: 200px;

}

td,th{

text-align: center;

}

</style>

</head>

<body>

<center>

<form>

<table border="1" cellspacing="0">

<h3 style="color: red; font-family: cursive;">Cart</h3>

<tr>

<th>S.NO</th>

<th>BookName</th>

<th>Quantity</th>

<th>Price</th>

</tr>

<tr>

<td>1</td>

<td>Java</td>

<td>1</td>

<td>$30</td>

</tr>

<tr>

<td>2</td>

<td>Python</td>

<td>2</td>

<td>$50</td>

</tr>

<tr>

<td>3</td>

<td>Power Electronics</td>

<td>1</td>

<td>$35</td>

</tr>

</table>

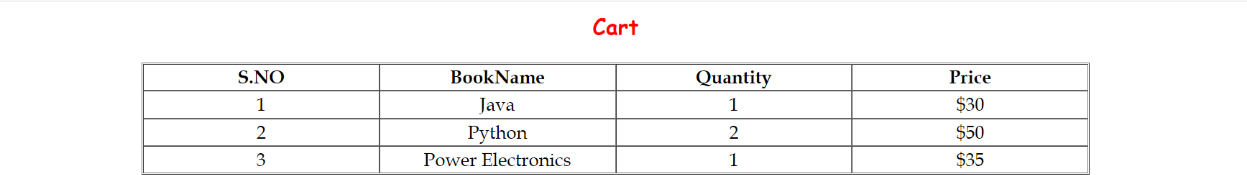
</form>

</center>

</body>

</html>

# OUTPUT:



**cse.html**

<html>

<body>

<center>

<form>

<table style="text-align: center;" border="1" cellspacing="0" cellpadding="3">

<tr>

<td width="100px"><img src="ds.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: DataStructures<br> Author Name: Sravya<br>Branch: CSE</td>

<td width="100px">Price: $30</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="java.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Java<br>Author Name: Supraja<br>Branch: CSE</td>

<td width="100px">Price: $35</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="python.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Python Programming<br>Author Name: Sheema<br>Branch: CSE</td>

<td width="100px">Price: $40</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

</table>

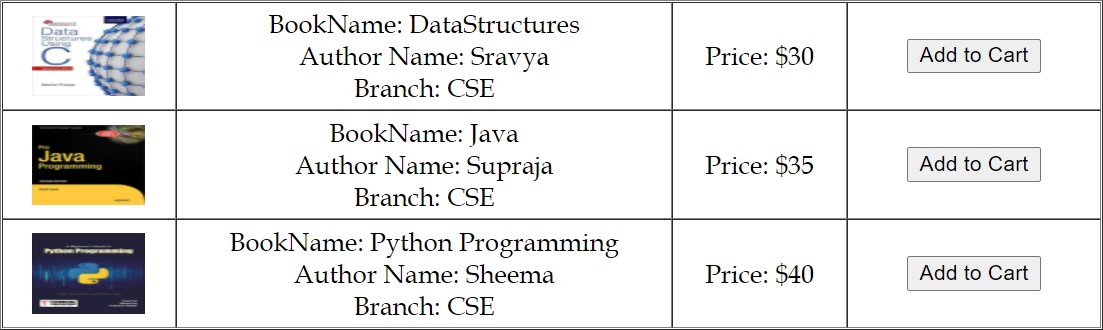
</form>

</center>

</body>

</html>

# OUTPUT:



**ece.html**

<html>

<body>

<center>

<form>

<table style="text-align: center;" border="1" cellspacing="0" cellpadding="3">

<tr>

<td width="100px"><img src="computer-and-communication.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Computer-and-Communication<br> Author Name: Sunny<br>Branch: ECE</td>

<td width="100px">Price: $70</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="DCN.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Data Communications and Networks<br>Author Name: Sonu<br>Branch: ECE</td>

<td width="100px">Price: $35</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="power.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Power Electronics<br>Author Name: Shannu<br>Branch: ECE</td>

<td width="100px">Price: $30</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="anacir.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Analog and Digital Electronics<br>Author Name: Shannu<br>Branch: ECE</td>

<td width="100px">Price: $45</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

</table>

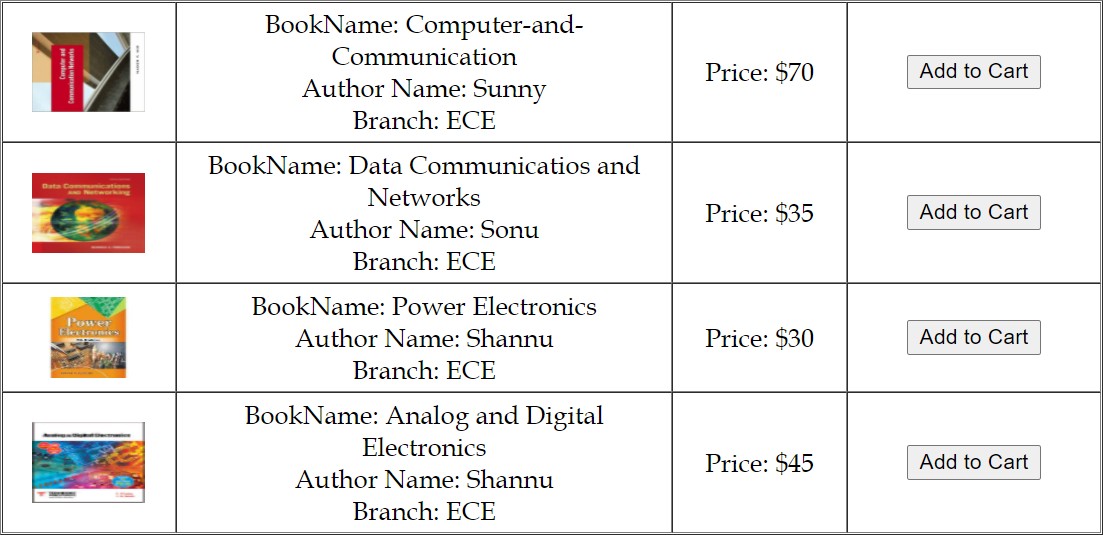
</form>

</center>

</body>

</html>

# OUTPUT:



**eee.html**

<html>

<body>

<center>

<form>

<table style="text-align: center;" border="1" cellspacing="0" cellpadding="3">

<tr>

<td width="100px"><img src="powerelectronics.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Power Electronics<br>Author Name: Ramya<br>Branch: EEE</td>

<td width="100px">Price: $45</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="microwave.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Microwave and Antennas<br> Author Name: Sravya<br>Branch: EEE</td>

<td width="100px">Price: $60</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="microcontroller.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Microcontroller-8051<br>Author Name: Supraja<br>Branch: EEE</td>

<td width="100px">Price: $35</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="microprocessor.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Microprocessor Architecture<br>Author Name: Ramya<br>Branch: EEE</td>

<td width="100px">Price: $15</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

</table>

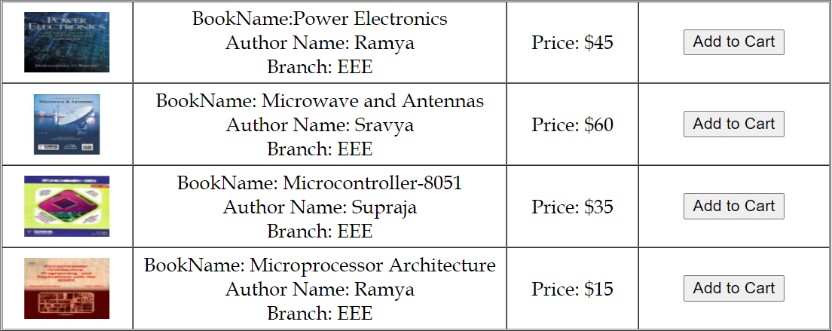
</form>

</center>

</body>

</html>

# OUTPUT:



**it.html**

<html>

<body>

<center>

<form>

<table style="text-align: center;" border="1" cellspacing="0" cellpadding="3">

<tr>

<td width="100px"><img src="os.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Operating Systems<br>Author Name: Ramya<br>Branch: IT</td>

<td width="100px">Price: $25</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

<tr>

<td width="100px"><img src="oose.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: Object-Oriented Software Engineering<br>Author Name: Supraja<br>Branch: IT</td>

<td width="100px">Price: $35</td>

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</tr>

<tr>

<td width="100px"><img src="rit.jpg" width="70px" height="50px"></td>

<td width="300px">BookName: RProgramming<br>Author Name: Sheema<br>Branch: IT</td>

<td width="100px">Price: $40</td>

<td width="150px"><input type="submit" value="Add to Cart" ></td>

</tr>

</table>

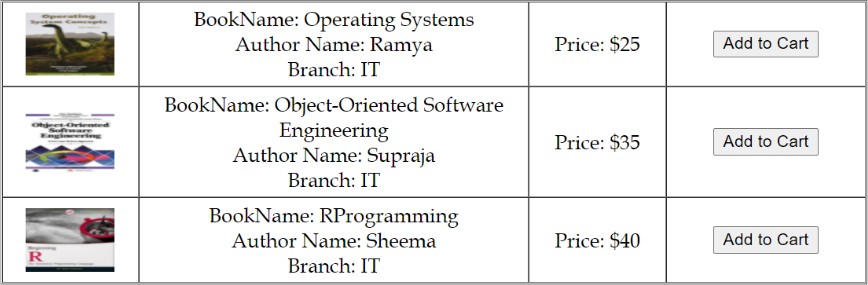
</form>

</center>

</body>

</html>

# OUTPUT:



1. Design a web page using CSS (Cascading Style Sheets) which includes the following:
   * Inline style sheets
   * Internal style sheets
   * External style sheets

# Inline CSS:

<!DOCTYPE html>

<html>

<head>

<title>INLINE CSS</title>

</head>

<body>

<p style="font-size:20pt;font-family:Times New Roman, color: green">SRKR ENGINEERING COLLEGE</p>

</body>

</html>

# OUTPUT:



**Internal CSS:**

<!DOCTYPE html>

<html>

<head>

<title>INTERNAL CSS</title>

<style> h3

{

font-family: cursive; color: red;

}

p

{

font-family: times new roman; color: blue;

font-size:18px;

}

</style>

</head>

<body>

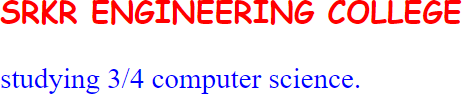
<h3>SRKR ENGINEERING COLLEGE</h3>

<p>studying 3/4 computer science.</p>

</body>

</html>

# OUTPUT:



**External CSS:**

h1

{

font-family: cursive; color: blue;

}

p

{

font-size: 20pt; color: tomato;

}

# External.html:

<!DOCTYPE html>

<head>

<meta charset="utf-8">

<title>EXTERNAL CSS</title>

<link rel="stylesheet" href="external.css">

</head>

<body>

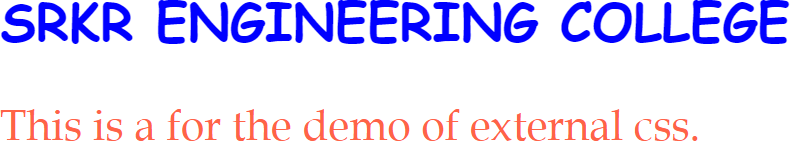
<h1>SRKR ENGINEERING COLLEGE</h1>

<p>This is a for the demo of external css</p>

</body>

</html>

# OUTPUT:



1. Design a web page using various CSS Selectors.

<!DOCTYPE html>

<head>

<meta charset="utf-8">

<title> Selectors</title>

<style>

\*{

background-color: skyblue;

}

h1,h2,h3

{

text-align: center; color: orange;

}

p.center{

text-align: center; color: red;

font-size:30pt;

}

.center

{

text-align: center; color: yellow;

}

#para1

{

text-align: left; color: blue;

font-family: cursive;

}

</style>

</head>

<body>

<h1>Hello World</h1>

<h2>Smaller Heading</h2>

<h3>Larger Heading</h3>

<p class="center">I Like It</p>

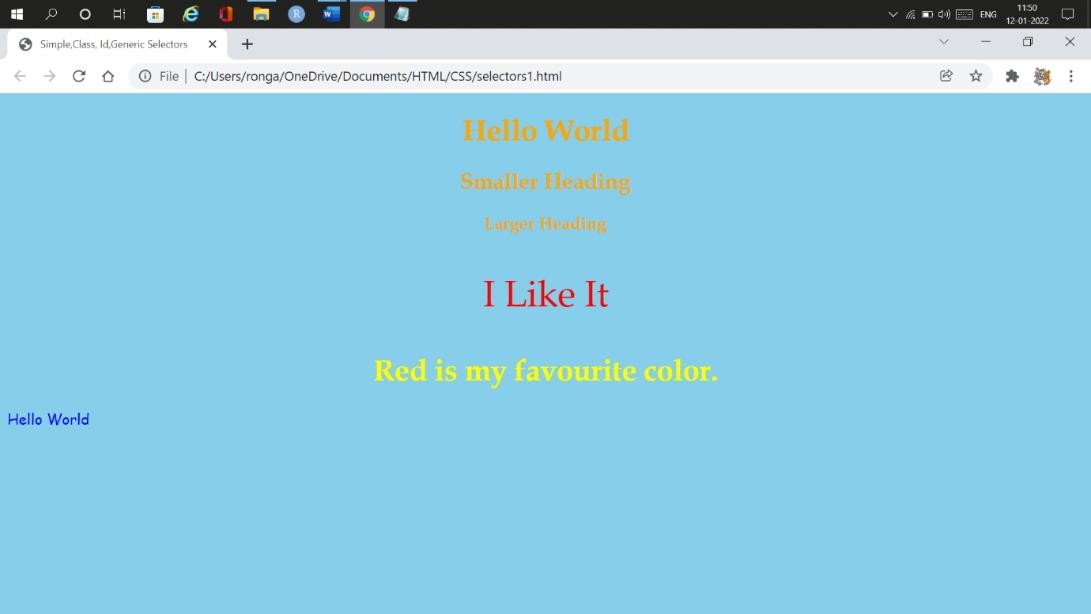
<h1 class="center"> Red is my favorite color.</h1>

<p id="para1">Hello World</p>

</body>

</html>

# OUTPUT:



1. Design a dynamic web page with validation using JavaScript.

<html>

<head>

<title>validation</title>

<style> h1{

text-align:center; color: red;

font-family: Work Sans;

}

</style>

<script>

function validateFields()

{

var valid=false;

var username=document.forms[0].elements[0].value;

var password=document.forms[0].elements[1].value; var email=document.forms[0].elements[2].value;

var phoneno=document.forms[0].elements[3].value; var username\_va= new RegExp("[A-Za-z]+[0-9]","g");

var password\_va= new RegExp("[A-Za-z0-9\.\_]{6,20}","g");

var email\_va= new RegExp("[a-z A-Z 0-9]+[@]+[a-z]+[\.]+[a- z]{2,3}","g");

var phoneno\_va= new RegExp("[7-9 0-9]{10}","g");

if((username.match(username\_va))&&(password.match(password\_va))&&(ema il.match(email\_va))&&(phoneno.match(phoneno\_va)))

{

alert(" all fields values you entered are correct"); valid=true;

}

else

{

if(username.match(username\_va))

{

valid=true;

}

else

{

alert("username is invalid");

}

if(password.match(password\_va))

{

valid=true;

}

else

{

alert("password is invalid");

}

if(email.match(email\_va))

{

valid=true;

}

else

{

alert("email is invalid");

}

if(phoneno.match(phoneno\_va))

{

valid=true;

}

else

{

alert("phone no is invalid");

}

}

}

</script>

</head>

<body>

<h1> REGISTRATION FORM</h1>

<form action="#" method ="post">

<center>

<table>

<tr>

<td>Name:</td>

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

</tr>

<tr>

<td>Password:</td>

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

</tr>

<tr>

<td>Email:</td>

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

</tr>

<tr>

<td>Phone No:</td>

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

</tr>

<tr>

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

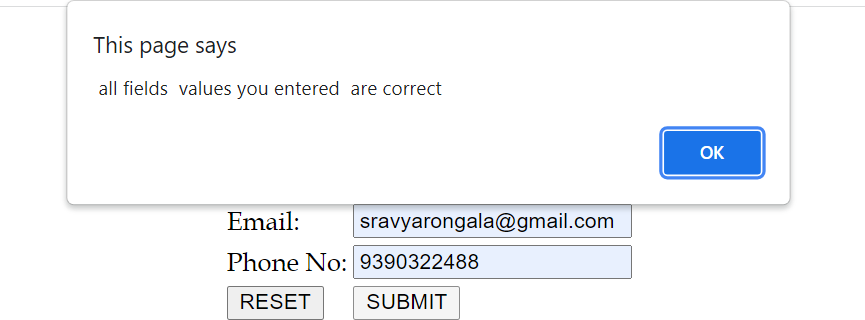
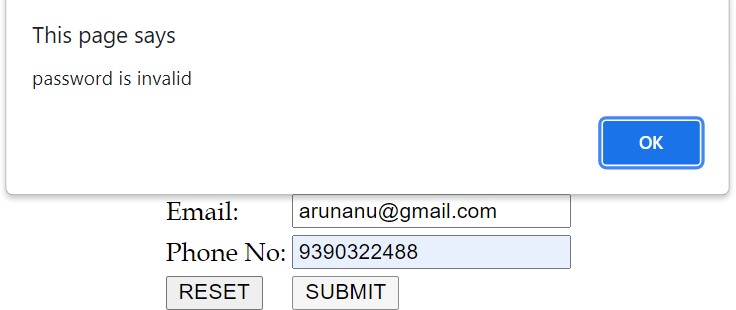
<td><input type="submit" value ="SUBMIT" onclick="validateFields()"></td>

</tr>

<body>

</html>

# OUTPUT:



1. Design a HTML having a text box and four buttons Factorial, Fibonacci, Prime, and Palindrome. When a button is pressed an appropriate JavaScript function should be called to display.

* Factorial of that number
* Is it Armstrong Number or not
* Fibonacci series up to that number
* Prime numbers up to that number
* Is it palindrome or not

# CODE:

<html>

<body>

<center>

<b>Enter Your Number</b><input type="text" id="t1">

<b>Result</b><input type="text" id="answer"><br><br><br>

<td>

<button onclick="factorial()">Factorial</button>

<button onclick="prime()">Prime</button>

<button onclick="Palindrome()">Palindrome</button>

<button onclick="Fibonacci()">Fibonacci</button>

<button onclick="Armstrong()">Armstrong</button>

</td>

<script>

function factorial()

{

var n=document.getElementById("t1").value; var res=1;

for(var i=1;i<=n; i++)

{

res=res\*i;

}

document.getElementById("answer").value=res;

}

function prime()

{

var n=document.getElementById("t1").value; var a=[];

for(var i=2;i<=n; i++)

{

var c=0;

for(var j=2;j<i; j++)

{

if((i%j)==0)

{

c++;

}

}

if(c==0)

{

a.push(i);

}

}

document.getElementById("answer").value=a;

}

function Palindrome()

{

var str=document.getElementById("t1").value;

var div=str.split("");

var revstr=div.reverse(); var com=revstr.join(""); var res;

if(str==com)

{

res="It is a Palindrome";

}

else

{

res="It is not a Palindrome";

}

document.getElementById("answer").value=res;

}

function Fibonacci()

{

var n=document.getElementById("t1").value; var res=[];

for(var i=0;i<n; i++)

{

res.push(fib(i));

}

document.getElementById("answer").value=res;

}

function fib(n)

{

if(n<=1)

{

return n;

}

else

{

return fib(n-1)+fib(n-2);

}

}

function Armstrong()

{

var n=document.getElementById("t1").value; var a, sum=0,temp,res;

temp=n; while(temp>0)

{

a=temp%10; temp=parseInt(temp/10); sum=sum+(a\*a\*a);

}

if(sum==n)

{

res="It is an Armstrong number";

}

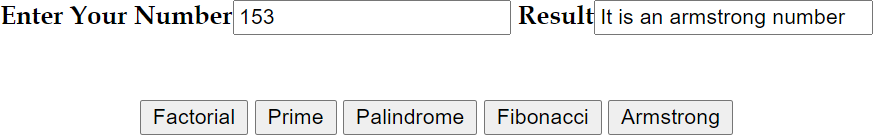
else

{

res="It is not an Armstrong number";

}

document.getElementById("answer").value=res;



}

</script>

</center>

</body>

</html>

# OUTPUT:

1. Write JavaScript programs on Event Handling
2. Change color of background when the user clicks on the button.

# CODE:

<!DOCTYPE html>

<html>

<body>

<button onclick="func()">Click Me to change the background color</button>

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

document.getElementsByTagName("body")[0].style.background="pink";

}

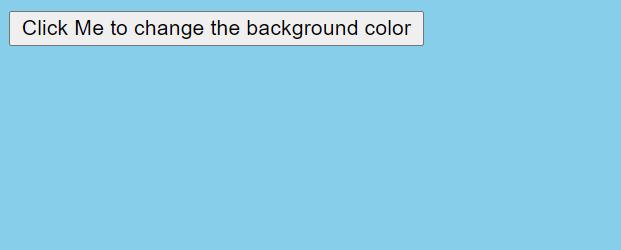
</script>

</body>

</html>

# OUTPUT:





1. Display calendar for the month and year selected from combo box.

# CODE:

<!DOCTYPE html>

<html>

<head>

<title>Calendar</title>

<script type="text/javascript">

function getCalendar() {

const year = document.getElementById("year").value; const month = document.getElementById("month").value; const date = new Date().getDate();

const container = document.getElementById("container-div"); let calendar = document.getElementById("calendar");

if (calendar) {

calendar.value = `${year}-${month}-${date}`;

}

else

{

calendar = document.createElement("input"); calendar.type = "date"; calendar.setAttribute("id", "calendar"); calendar.value = `${year}-${month}-${date}`; container.appendChild(calendar);

}

}

</script>

</head>

<body>

<select name="year" id="year">

<option value="2021">2021</option>

<option value="2020">2020</option>

<option value="2019">2019</option>

<option value="2018">2018</option>

<option value="2017">2017</option>

<option value="2016">2016</option>

<option value="2015">2015</option>

<option value="2014">2014</option>

<option value="2013">2013</option>

<option value="2012">2012</option>

<option value="2011">2011</option>

<option value="2010">2010</option>

<option value="2009">2009</option>

<option value="2008">2008</option>

<option value="2007">2007</option>

<option value="2006">2006</option>

<option value="2005">2005</option>

<option value="2004">2004</option>

<option value="2003">2003</option>

<option value="2002">2002</option>

<option value="2001">2001</option>

<option value="2000">2000</option>

<option value="1999">1999</option>

<option value="1998">1998</option>

<option value="1997">1997</option>

<option value="1996">1996</option>

<option value="1995">1995</option>

<option value="1994">1994</option>

<option value="1993">1993</option>

<option value="1992">1992</option>

<option value="1991">1991</option>

<option value="1990">1990</option>

<option value="1989">1989</option>

<option value="1988">1988</option>

<option value="1987">1987</option>

<option value="1986">1986</option>

<option value="1985">1985</option>

<option value="1984">1984</option>

<option value="1983">1983</option>

<option value="1982">1982</option>

<option value="1981">1981</option>

<option value="1980">1980</option>

<option value="1979">1979</option>

<option value="1978">1978</option>

<option value="1977">1977</option>

<option value="1976">1976</option>

<option value="1975">1975</option>

<option value="1974">1974</option>

<option value="1973">1973</option>

<option value="1972">1972</option>

<option value="1971">1971</option>

<option value="1970">1970</option>

</select>

<select name="month" id="month">

<option value="01">January</option>

<option value="02">February</option>

<option value="03">March</option>

<option value="04">April</option>

<option value="05">May</option>

<option value="06">June</option>

<option value="07">July</option>

<option value="08">August</option>

<option value="09">September</option>

<option value="10">October</option>

<option value="11">November</option>

<option value="12">December</option>

</select>

<button onclick="getCalendar()">Get Calendar</button>

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

</body>

</html>

# OUTPUT:



1. On Mouse over event

# CODE:

<!DOCTYPE html>

<html>

<head>

<title>ONMOUSEOVER</title>

</head>

<body>

<h3 style="color: green; font-family: cursive; text-align: center;">MOUSEOVER AND MOUSEOUT</h3>

<img src="img1.jpg" onmouseover="fun1()" onmouseout="fun2()" id="image" style="top: 250px; left: 500px; position: absolute; cursor: pointer;">

<script >

function fun1()

{

document.getElementById("image").src="img2.jpg";

}

function fun2()

{

document.getElementById("image").src="img1.jpg";

}

</script>

</body>

</html>

# OUTPUT:



1. Write an XML file which will display the Book Information which includes the following:
2. Title of the book 2)Author Name 3)ISBN number 4)Publisher name 5)Edition 6)Price
   1. Write a Document Type Definition (DTD) to validate the above XML file.
   2. Write a XML Schema Definition (XSD) to validate the above XML file.

# CODE:

Xml file:

<?xml version=”1.0”?>

<bookstore>

<book>

<title> WEB TECHNOLOGIES </title>

<author>Uttam.K.Roy </author>

<isbn>652466</isbn>

<publisher>Arihant</publisher>

<edition>11th edition</edition>

<price>320</price>

</book>

<book>

<title> JAVA-Complete Reference </title>

<author>Herbert Schildt </author>

<isbn>745839</isbn>

<publisher>Arihant</publisher>

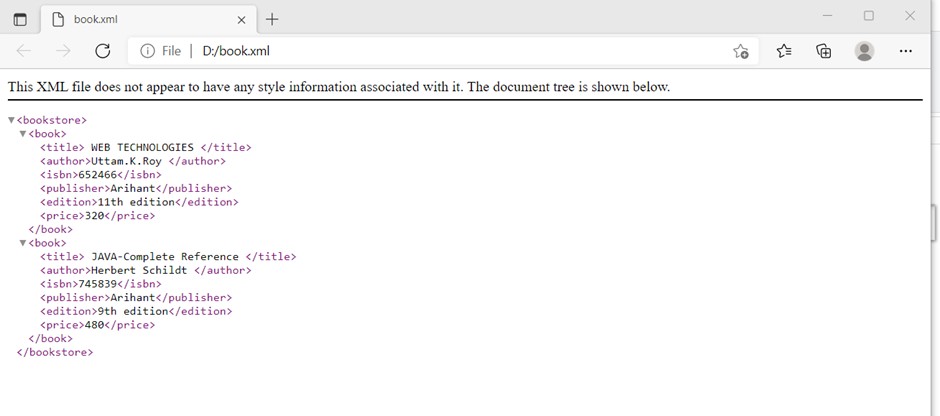
<edition>9th edition</edition>

<price>480</price>

</book>

</bookstore>

# OUTPUT:



DTD file:

<?xml version=”1.0”?>

<!DOCTYPE bookstore [

<!ELEMENT bookstore(book+)>

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

<!ELEMENT title(#PCDATA)>

<!ELEMENT author(#PCDATA)>

<!ELEMENT isbn(#PCDATA)>

<!ELEMENT publisher(#PCDATA)>

<!ELEMENT edition(#PCDATA)>

<!ELEMENT price(#PCDATA)>]

>

<bookstore>

<book>

<title> WEB TECHNOLOGIES </title>

<author>Uttam.K.Roy </author>

<isbn>652466</isbn>

<publisher>Arihant</publisher>

<edition>11th edition</edition>

<price>320</price>

</book>

<book>

<title> JAVA-Complete Reference </title>

<author>Herbert Schildt </author>

<isbn>745839</isbn>

<publisher>Arihant</publisher>

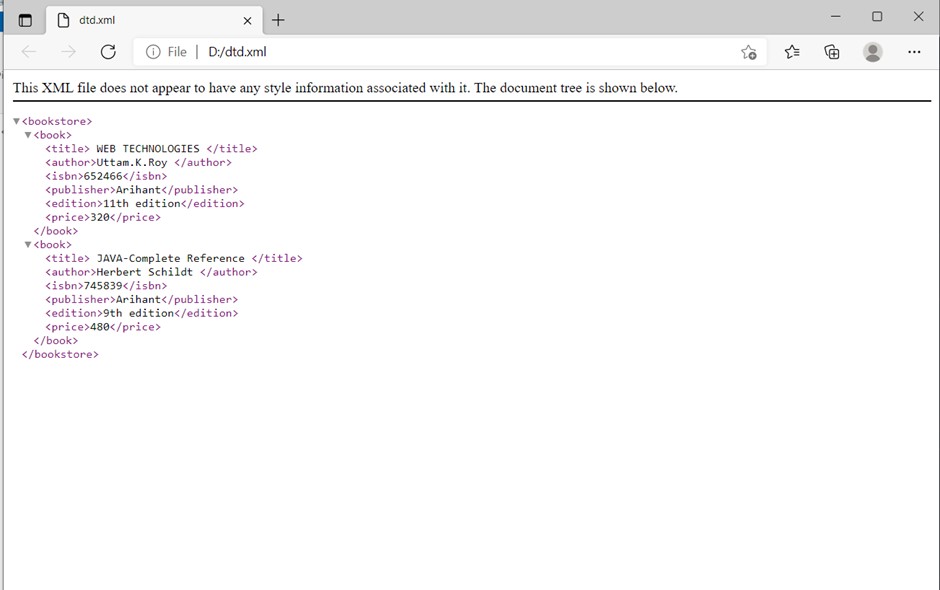
<edition>9th edition</edition>

<price>480</price>

</book>

</bookstore>

# OUTPUT:



Schema file:

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

<xs:schema xmlns:xs[="http](http://www.w3.org/2001/XMLSchema):/[/www.w3.org/2001/XMLSchema](http://www.w3.org/2001/XMLSchema)

<xs:element name="book">

<xs:complexType>

<xs:sequence>

<xs:element name="Title of the book" type="xs:string" />

<xs:element name="author name" type="xs:string" />

<xs:element name="ISBN number" type="xs:int" />

<xs:element name="Publisher Name" type="xs:string" />

<xs:element name="Edition" type="xs:int" />

<xs:element name="Price" type="xs:int" />

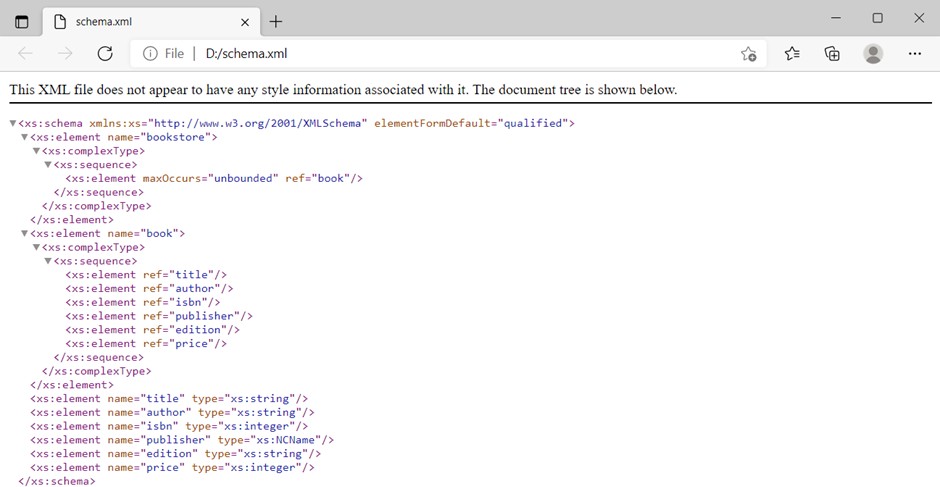
</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

# OUTPUT:



1. Create Web pages using AJAX.

# gethint.php:

<?php

// Array with names

$a[] = "SivaSindu";

$a[] = "Durga Jyothika";

$a[] = "Poojitha";

$a[] = "Tejasree";

$a[] = "Hemalatha";

$a[] = "Jhansi";

$a[] = "Sudharani";

$a[] = "Sravya";

$a[] = "Supraja";

$a[] = "Chandana";

$a[] = "Harshitha";

$a[] = "Tejaswi";

$a[] = "Dunisha";

$a[] = "Jeevitha";

$a[] = "Satya";

$a[] = "Gowri Priya";

$a[] = "Keerthi Priya";

$a[] = "NadhiyaBanu";

$a[] = "Mounika";

$a[] = "Sravani";

$a[] = "Supriya";

$a[] = "Vincy";

$a[] = "Deepika";

$a[] = "Jahnavi";

$a[] = "Suma";

// get the q parameter from URL

$q = $\_REQUEST["q"];

$hint = "";

// lookup all hints from array if $q is different from "" if ($q !== "") {

$q = strtolower($q);

$len=strlen($q); foreach($a as $name) {

if (stristr($q, substr($name, 0, $len))) { if ($hint === "") {

$hint = $name;

} else {

$hint .= ", $name";

}

}

}

}

// Output "no suggestion" if no hint was found or output correct values echo $hint === "" ? "No suggestion" : $hint;

?>

# showhint.php:

<html>

<head>

<script>

function showHint(str) { if (str.length == 0) {

document.getElementById("txtHint").innerHTML = ""; return;

} else {

var xmlhttp = new XMLHttpRequest(); xmlhttp.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) { document.getElementById("txtHint").innerHTML = this.responseText;

}

};

xmlhttp.open("GET", "gethint.php?q=" + str, true); xmlhttp.send();

}

}

</script>

</head>

<body>

<p><b>Start typing a name in the input field below:</b></p>

<form action="">

<label for="fname">First name:</label>

<input type="text" id="fname" name="fname" onkeyup="showHint(this.value)">

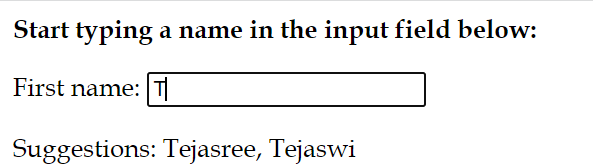
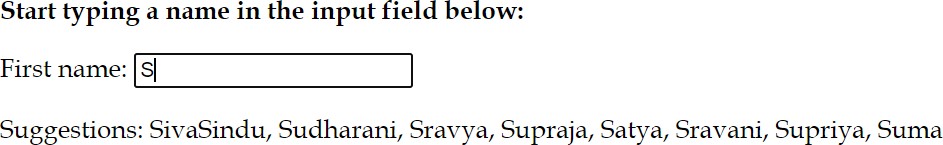
</form>

<p>Suggestions: <span id="txtHint"></span></p>

</body>

</html>

# OUTPUT:



1. Install MySQL Database and create your own database and create tables in it.

# DATABASE CREATION:

<?php

$servername="localhost";

$username="root";

$password="";

$conn=mysqli\_connect($servername,$username,$password); if(!$conn)

{

die("connection failed: ".mysqli\_connect\_error());

}

$sql="CREATE DATABASE wt";

if(mysqli\_query($conn,$sql))

{

echo "Database created successfully";

}

else

{

echo "error creating database: ".mysqli\_error($conn);

}

mysqli\_close($conn);

?>

# OUTPUT:

Database created successfully

# TABLE CREATION

<?php

$servername="localhost";

$username="root";

$password="";

$dbname="wt";

$conn=mysqli\_connect($servername, $username, $password, $dbname);

if(!$conn)

{

die("connection failed: ".mysqli\_connect\_error());

}

$sql="CREATE TABLE myguests(id int(6) unsigned auto\_increment primary key,

firstname varchar(30)NOT NULL, lastname varchar(30)NOT NULL, email varchar(50),

reg\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP)";

if(mysqli\_query($conn,$sql))

{

echo " TABLE created successfully";

}

else

{

echo "error creating table: ".mysqli\_error($conn);

}

mysqli\_close($conn);

?>

# OUTPUT:

Table created successfully

1. Write a PHP Program to insert data into the database.

# insert.php

<?php

$servername="localhost";

$username="root";

$password="";

$dbname="wt";

$fname=$\_POST['first'];

$lname=$\_POST['last'];

$conn=mysqli\_connect($servername, $username, $password, $dbname);

if(!$conn)

{

die("connection failed: ".mysqli\_connect\_error());

}

$sql="INSERT INTO myguests(firstname, lastname) VALUES('$fname','$lname')"; if(mysqli\_query($conn,$sql))

{

echo " Inserted successfully";

}

else

{

echo "error:" .$sql."<br>".mysqli\_error($conn);

}

mysqli\_close($conn);

?>

# insert.html

<html>

<head>

<title>insert</title>

</head>

<body>

<center>

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

<table>

<tr><td><b> Firstname:</b></td>

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

</tr><br><br>

<tr>

<td><b>Lastname:</b></td>

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

</tr><br><br>

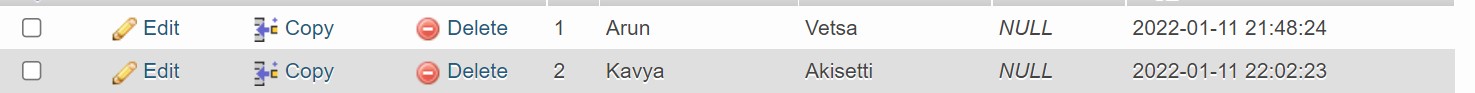
<tr><td><input type="submit" value="insert"></td></tr><br><br>

</table>

</form>

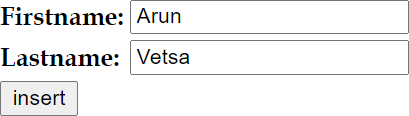
</center>

</body>



</html>

# OUTPUT:



Inserted Successfully

1. Write a PHP Program to validate the user login page.

<html>

<head>

<title>LOGIN</title>

</head>

<body>

<?php if($\_POST){

$username=$\_POST["username"];

$password=$\_POST["password"];

$conn=new mysqli("localhost","root","","wt"); if($conn->connect\_error){

echo $conn->connect\_error;

}

$sql="select password from login where username='$username'";

$result=$conn->query($sql);

if(!$result){

echo $conn->error;

}

$stored\_password=$result->fetch\_assoc()["password"]; if($stored\_password==$password)

{

echo "Welcome ,".$username;

}

else

{

echo "Login Failed.!! Try Again";

}

}else{

?>

<center>

<form action=" " method="POST">

<h3>LOGIN</h3>

Enter Username: <input type="text" name="username"><br><br> Enter Password: <input type="password" name="password"><br><br>

<button>LOGIN</button>

</form>

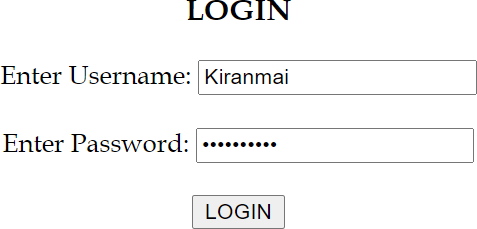
<?php }?>

</body>

</html>



# OUTPUT:



Welcome ,Kiranmai

1. Write a PHP Program to delete data from the database.

# delete.html:

<html>

<head>

<title>delete</title>

</head>

<body>

<center>

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

<table>

<tr><td><b> ID:</b></td>

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

</tr><br><br>

<tr><td><input type="submit" value="Delete"></td></tr><br><br>

</table>

</form>

</center>

</body>

</html>

# delete.php

<?php

$servername="localhost";

$username="root";

$password="";

$dbname="wt";

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

$conn=mysqli\_connect($servername, $username, $password, $dbname); if(!$conn)

{

die("connection failed: ".mysqli\_connect\_error());

}



$sql="Delete from myguests where id=$id"; if(mysqli\_query($conn,$sql))

{

echo " Deleted successfully";

}

else

{

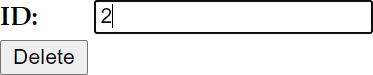
echo "error:" .$sql."<br>".mysqli\_error($conn);

}

mysqli\_close($conn);

?>

# OUTPUT:



Deleted successfully.

1. Write a PHP Program to update data in the database.

# update.html:

<head>

<title>update</title>

</head>

<body>

<center>

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

<table>

<tr><td><b> ID:</b></td>

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

</tr><br><br>

<tr>

<td><b>Lastname:</b></td>

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

</tr><br><br>

<tr><td><input type="submit" value="submit"></td></tr><br><br>

</table>

</form>

</center>

</body>

</html>

# update.php:

<?php

$servername="localhost";

$username="root";

$password="";

$dbname="wt";

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

$last=$\_POST['last'];

$conn=mysqli\_connect($servername, $username, $password, $dbname); if(!$conn)

{

die("connection failed: ".mysqli\_connect\_error());

}

$sql="update myguests set lastname='$last' where id='$id'"; if(mysqli\_query($conn,$sql))

{

echo " updated successfully";

}

else

{

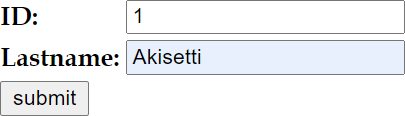
echo "error:" .$sql."<br>".mysqli\_error($conn);

}

mysqli\_close($conn);

?>

# OUTPUT:



Updated Successfully.



1. Write a PHP Program to retrieve data from the database.

# select.html:

<html>

<head>

<title>select</title>

</head>

<body>

<center>

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

<table>

<tr><td><b> ID:</b></td>

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

</tr><br><br>

<tr><td><input type="submit" value="submit"></td></tr><br><br>

</table>

</form>

</center>

</body>

</html>

# select.php:

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "wt";

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

$conn = mysqli\_connect($servername, $username, $password,

$dbname); if (!$conn)

{

die("Connection failed: " . mysqli\_connect\_error());

}

$sql = "SELECT id, firstname, lastname FROM myguests where id='$id'";

$result = mysqli\_query($conn, $sql); if (mysqli\_num\_rows($result) > 0)

{

while($row = mysqli\_fetch\_assoc($result))

{

echo "id: " . $row["id"]. " - Name: " . $row["firstname"]. " " .

$row["lastname"]. "<br>";

}

} else

{

echo "0 results";

}

mysqli\_close($conn);

?>

# OUTPUT:



id: 1 - Name: Arun Akisetti