

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">1</td>
<td>2</td>
<td bgcolor="lightgrey">3</td>
<td>4</td>
<td style=" width:7px"></td>
<td bgcolor="lightgrey">5</td>
<td>6</td>
<td bgcolor="lightgrey">7</td>
<td>8</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 align="right" bgcolor="lightgrey">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

Department of Computer Science and Engineering									
SRKR Engg College(Autonomous)(Affiliated to JNTU,Kakinada),China-miram,Bhimavaram-534 204,India									
2/4CSE-D	2021-22 1st Semester Time Table					Room: C-202			
	1	2	3	4		5	6	7	8
Mon	DWDM	DWDM	CG	CG		ACLAB			
Tue	WTLAB					CN	CN	WT	WT
Wed	CN	CN	FLAT	FLAT		ES-1(QA)	ES-1(QA)		
Thu	WT	WT	ES-1(VA)	ES-1(VA)		CG	CG	DWDM	DWDM
Fri	FLAT	FLAT				D1&D2 CNLAB			
Sat	DMLAB								

2.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

Logo	Web Site Name			
Home	Login	Registration	Catalogue	Cart
mca mba BCA	Description of the Web Site			

a. LOGINPAGE:



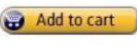


Logo	Web Site Name			
Home	Login	Registration	Catalogue	Cart
MCA MBA BCA	<div>Login : <input type="text" value="11a51f0003"/></div> <div>Password: <input type="password" value="*****"/></div> <div><input type="button" value="Submit"/> <input type="button" value="Reset"/></div>			

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.

Web Site Name				
Logo				
Home	Login	Registration	Catalogue	Cart
MCA		Book : XML Bible Author : Winston Publication : Wiley	\$ 40.5	
MBA				
BCA		Book : AI Author : S.Russel Publication : Princeton hall	\$ 63	
		Book : Java 2 Author : Watson Publication : BPB publications	\$ 35.5	
		Book : HTML in 24 hours Author : Sam Peter Publication : Sam	\$ 50	

(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">

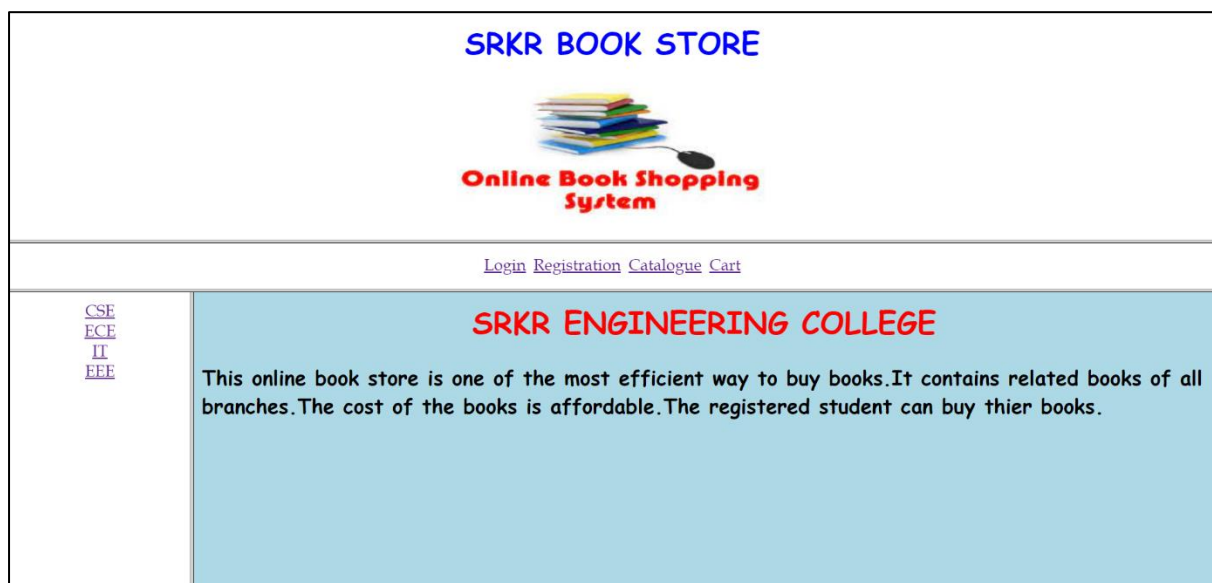
```

```

<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>

</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>
```

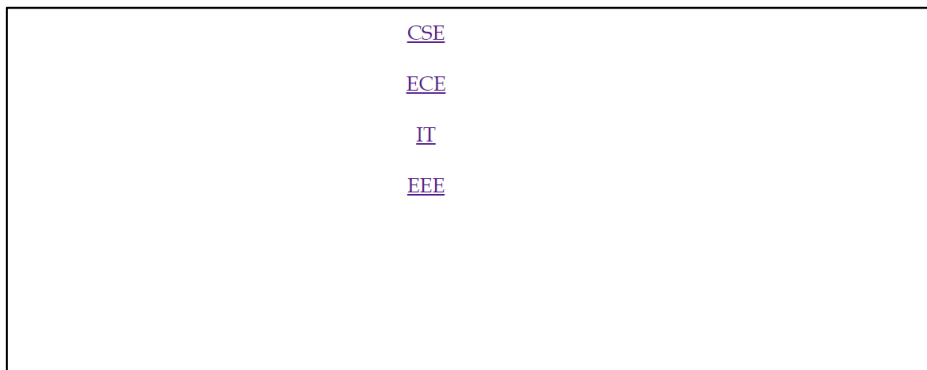
```
<br>
```

```
</center>
```

```
</body>
```

```
</html>
```

OUTPUT:



content.html

```
<html>
```

```
<head>
```

```
<style>
```

```
h1{
```

```
font-family: cursive;
```

```
font-size: 30px;
```

```
color: red;
```

```
}
```

```
h3{
```

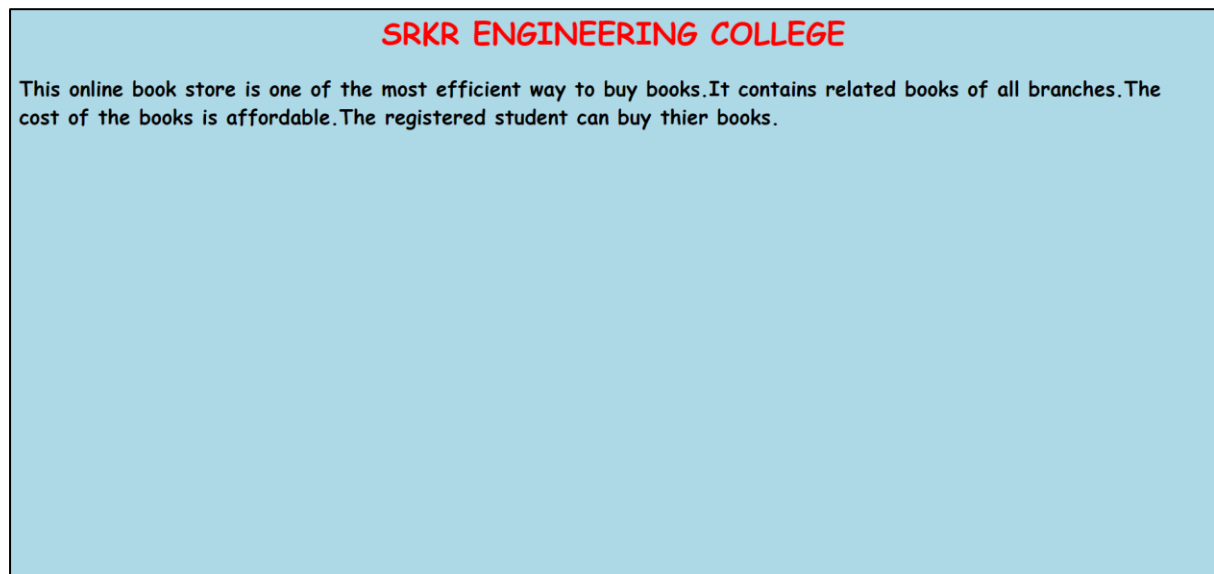
```
font-family: cursive;
```

```
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:



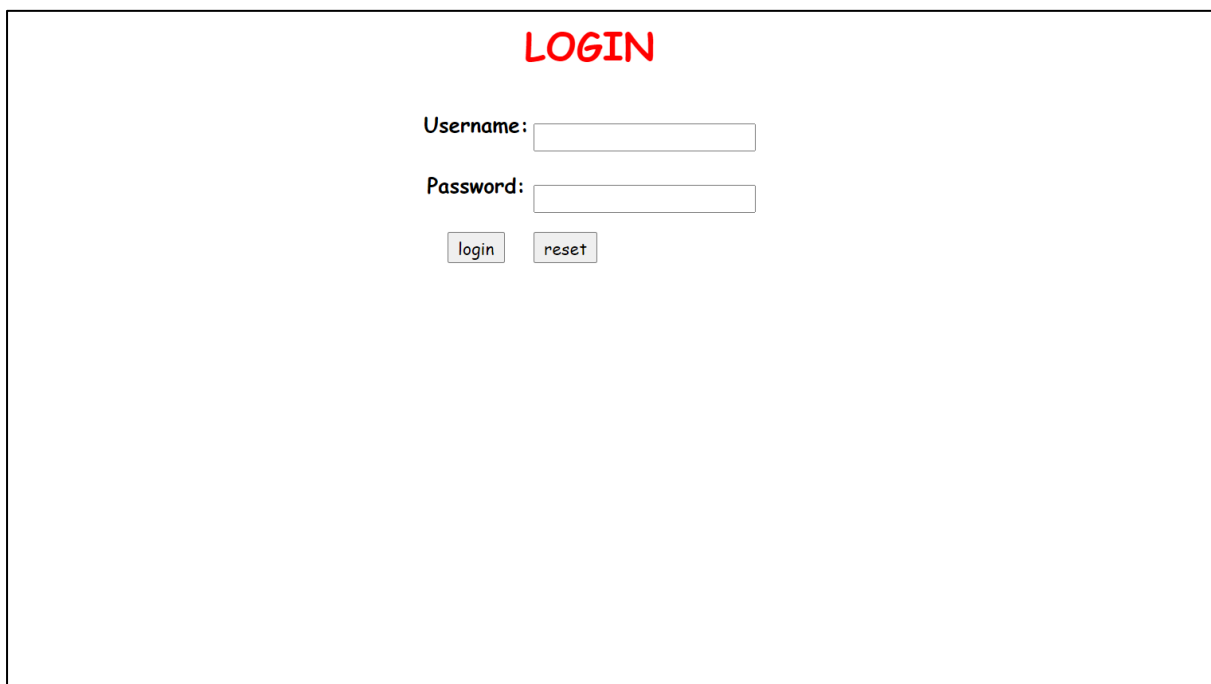
login.html

```
<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:



LOGIN

Username:

Password:

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>

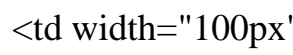
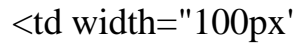
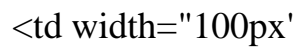
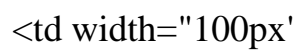
```

OUTPUT:

REGISTER	
Name:	<input type="text"/>
Username:	<input type="text"/>
Password:	<input type="password"/>
Address:	<input type="text"/>
Email:	<input type="text"/>
Contact:	<input type="text"/>
DOB:	<input type="text" value="dd-mm-yyyy"/> <input type="button" value="📅"/>
Gender:	<input type="radio"/> Female <input type="radio"/> Male
Branch:	<input type="radio"/> CSE <input type="radio"/> EEE

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"></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"></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>
```

	BookName: Python Programming Author Name: Sheema Branch: CSE	Price: \$40	<input type="submit" value="Add to Cart"/>
	BookName: Computer-and-Communication Author Name: Sunny Branch: ECE	Price: \$70	<input type="submit" value="Add to Cart"/>
	BookName: Data Communications and Networks Author Name: Sonu Branch: ECE	Price: \$35	<input type="submit" value="Add to Cart"/>
	BookName: Power Electronics Author Name: Shannu Branch: ECE	Price: \$30	<input type="submit" value="Add to Cart"/>

```
<tr>
<td width="100px"></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"></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"></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"></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"></td>
<td width="300px">BookName: Power Electronics Author Name: Ramya 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"></td>
<td width="300px">BookName: Microwave and Antennas Author Name: Karthik 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"></td>
<td width="300px">BookName: Microcontroller-8051 Author Name: Vivek 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"></td>
<td width="300px">BookName: Microprocessor Architecture Author Name: Shankar 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:

	BookName: DataStructures Author Name: Sravya Branch: CSE	Price: \$30	Add to Cart
	BookName: Java Author Name: Supraja Branch: CSE	Price: \$35	Add to Cart
	BookName: Python Programming Author Name: Sheema Branch: CSE	Price: \$40	Add to Cart
	BookName: Computer-and-Communication Author Name: Sunny Branch: ECE	Price: \$70	Add to Cart
	BookName: Data Communications and Networks Author Name: Sonu Branch: ECE	Price: \$35	Add to Cart
	BookName: Power Electronics Author Name: Shannu Branch: ECE	Price: \$30	Add to Cart
	BookName: Analog and Digital Electronics Author Name: Shannu Branch: ECE	Price: \$45	Add to Cart
	BookName: Operating Systems		

	BookName: Analog and Digital Electronics Author Name: Shannu Branch: ECE	Price: \$45	Add to Cart
	BookName: Operating Systems Author Name: Ramya Branch: IT	Price: \$25	Add to Cart
	BookName: Object-Oriented Software Engineering Author Name: Supraja Branch: IT	Price: \$35	Add to Cart
	BookName: RProgramming Author Name: Sheema Branch: IT	Price: \$40	Add to Cart
	BookName: Power Electronics Author Name: Ramya Branch: EEE	Price: \$45	Add to Cart
	BookName: Microwave and Antennas Author Name: Sravya Branch: EEE	Price: \$60	Add to Cart
	BookName: Microcontroller-8051 Author Name: Supraja Branch: EEE	Price: \$35	Add to Cart
	BookName: Microprocessor Architecture Author Name: Ramya Branch: EEE	Price: \$15	Add to Cart

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:

Cart			
S.NO	BookName	Quantity	Price
1	Java	1	\$30
2	Python	2	\$50
3	Power Electronics	1	\$35

cse.html

```
<html>
<body>
<center>
<form>
<table style="text-align: center;" border="1" cellspacing="0" cellpadding="3">
<tr>
<td width="100px"></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"></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"></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:

	BookName: DataStructures Author Name: Sravya Branch: CSE	Price: \$30	<input type="button" value="Add to Cart"/>
	BookName: Java Author Name: Supraja Branch: CSE	Price: \$35	<input type="button" value="Add to Cart"/>
	BookName: Python Programming Author Name: Sheema Branch: CSE	Price: \$40	<input type="button" value="Add to Cart"/>

ece.html

```

<html>

<body>

<center>

<form>

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

<tr>

<td width="100px"></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"></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"></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"></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:

	BookName: Computer-and-Communication Author Name: Sunny Branch: ECE	Price: \$70	<input type="button" value="Add to Cart"/>
	BookName: Data Communicatios and Networks Author Name: Sonu Branch: ECE	Price: \$35	<input type="button" value="Add to Cart"/>
	BookName: Power Electronics Author Name: Shannu Branch: ECE	Price: \$30	<input type="button" value="Add to Cart"/>
	BookName: Analog and Digital Electronics Author Name: Shannu Branch: ECE	Price: \$45	<input type="button" value="Add to Cart"/>

eee.html

```
<html>
```

```
<body>
```

```
<center>
```

```
<form>
```

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

```
<tr>
```

```
<td width="100px"></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"></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"></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"></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:

	BookName:Power Electronics Author Name: Ramya Branch: EEE	Price: \$45	<input type="button" value="Add to Cart"/>
	BookName: Microwave and Antennas Author Name: Sravya Branch: EEE	Price: \$60	<input type="button" value="Add to Cart"/>
	BookName: Microcontroller-8051 Author Name: Supraja Branch: EEE	Price: \$35	<input type="button" value="Add to Cart"/>
	BookName: Microprocessor Architecture Author Name: Ramya Branch: EEE	Price: \$15	<input type="button" value="Add to Cart"/>

it.html

<html>

<body>

<center>

<form>

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

<tr>

<td width="100px"></td>

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

```

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

	BookName: Operating Systems Author Name: Ramya Branch: IT	Price: \$25	<input type="button" value="Add to Cart"/>
	BookName: Object-Oriented Software Engineering Author Name: Supraja Branch: IT	Price: \$35	<input type="button" value="Add to Cart"/>
	BookName: RProgramming Author Name: Sheema Branch: IT	Price: \$40	<input type="button" value="Add to Cart"/>

3. 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:

SRKR ENGINEERING COLLEGE

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:

SRKR ENGINEERING COLLEGE

studying 3/4 computer science.

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:

SRKR ENGINEERING COLLEGE

This is a for the demo of external css.

4. 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{
```

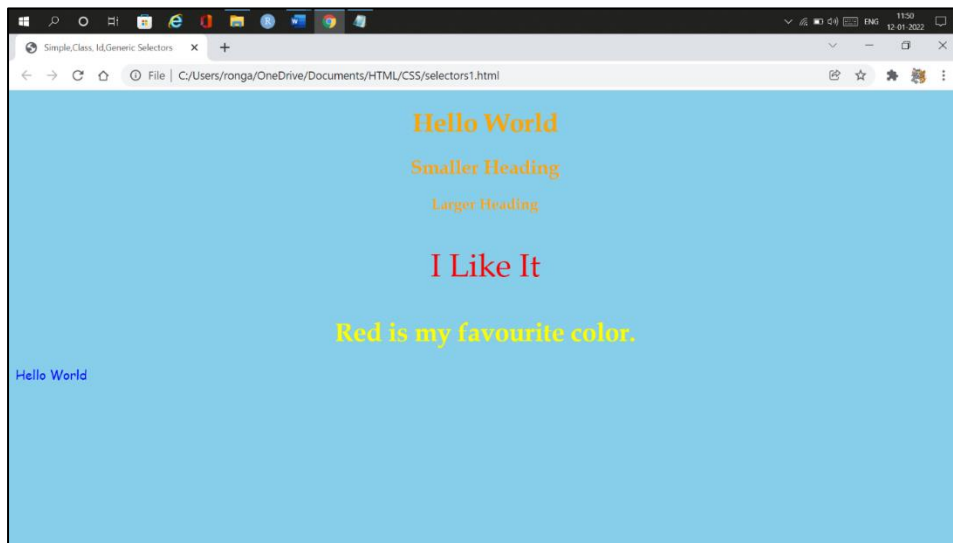
```
    text-align: center;
```

```
    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:



5. 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))&&(email.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:

REGISTRATION FORM

Name:

Password:

Email:

Phone No:

This page says

password is invalid

Email:

Phone No:

This page says

all fields values you entered are correct

Email:

Phone No:

6. 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";
}
}

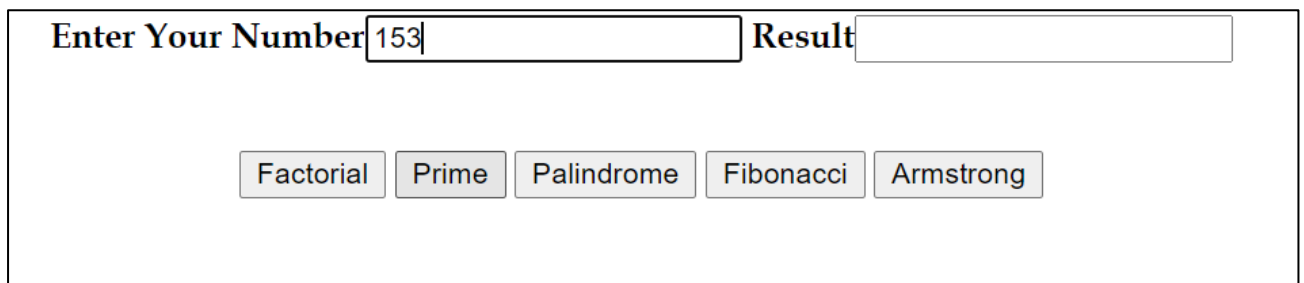
```

```

        document.getElementById("answer").value=res;
    }
</script>
</center>
</body>
</html>

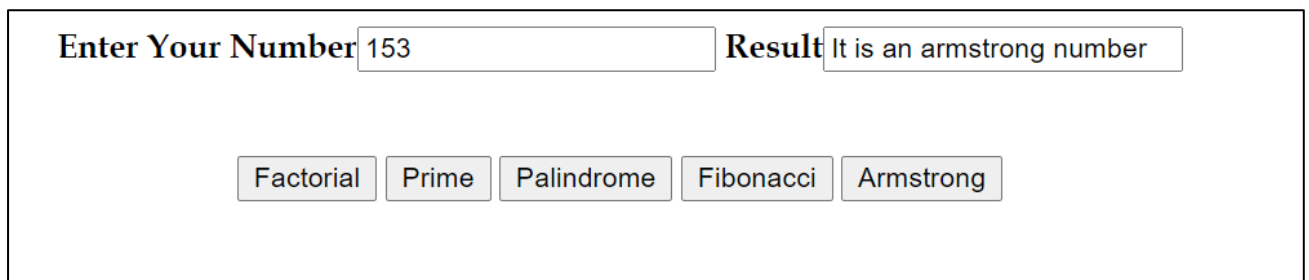
```

OUTPUT:



Enter Your Number Result

Factorial Prime Palindrome Fibonacci Armstrong



Enter Your Number Result

Factorial Prime Palindrome Fibonacci Armstrong

7. Write JavaScript programs on Event Handling

a. Change color of background when the user clicks on the button.

CODE:

```

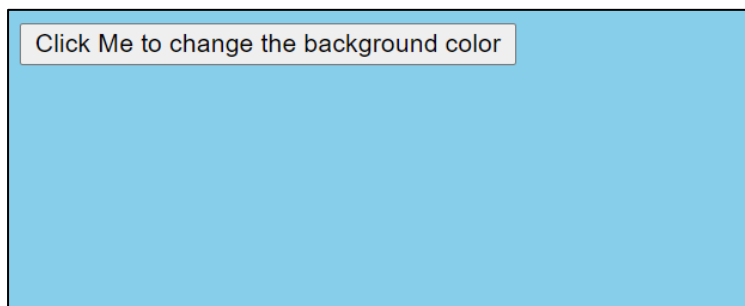
<!DOCTYPE html>
<html>
<body>
<button onclick="func()">Click Me to change the background color</button>

```

```
<script type="text/javascript">
    function func(){
        document.getElementsByTagName("body")[0].style.background="pink";
    }
</script>
</body>
</html>
```

OUTPUT:

Click Me to change the background color



b. 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>

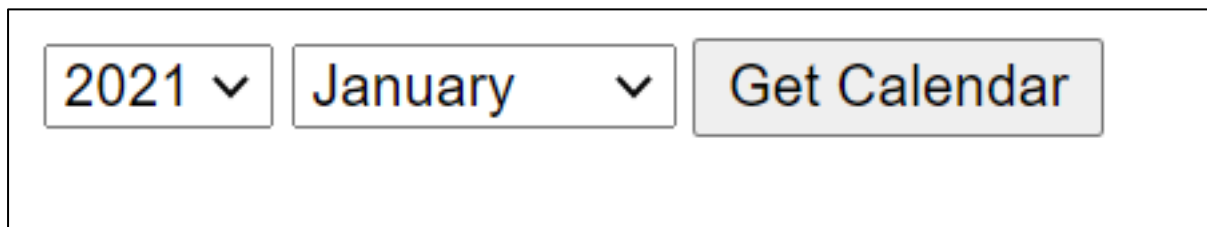
<select name="month" id="month">
 <option value="01">January</option>
 <option value="02">February</option>
 <option value="03">March</option>
 <option value="04">April</option>
 <option value="05">May</option>

```

        <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:



c. 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>
```

```

```

```
<script >
```

```
function fun1()
```

```
{
```

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

```
}
```

```
function fun2()
```

```
{
```

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

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

OUTPUT:



MOUSEOVER AND MOUSEOUT



8. 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

- a. Write a Document Type Definition (DTD) to validate the above XML file.
- b. Write a XML Schema Definition (XSD) to validate the above XML file.

CODE:

Xml file:

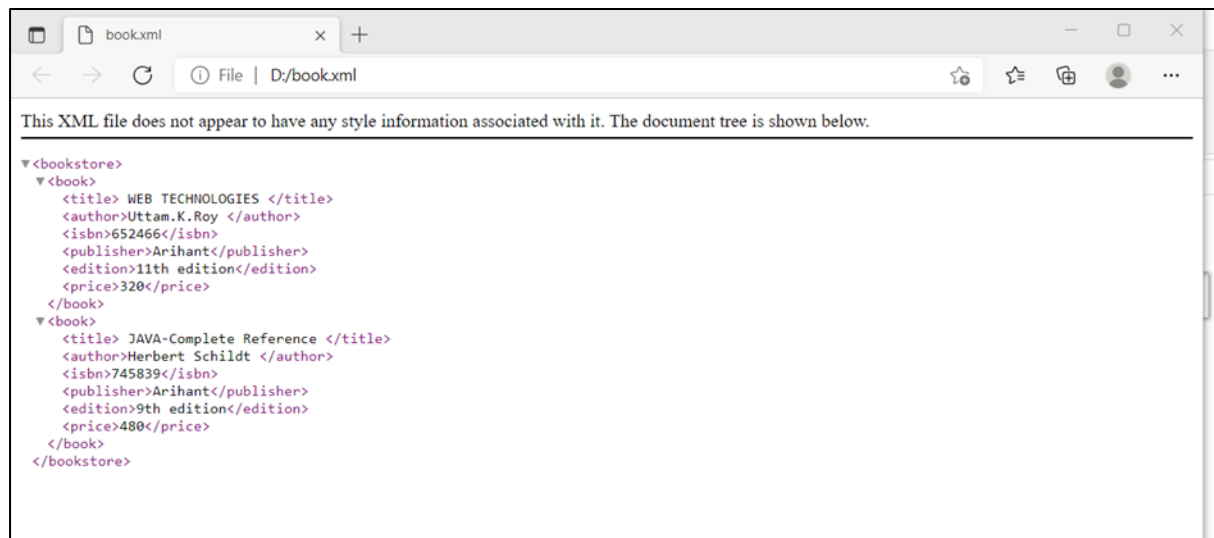
```
<?xml version="1.0"?>
<bookstore>
<book>
<title> WEB TECHNOLOGIES </title>
<author>Uttam.K.Roy </author>
<isbn>652466</isbn>
<publisher>Arihant</publisher>
<edition>11th edition</edition>
<price>320</price>
```

```

</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"?>
```

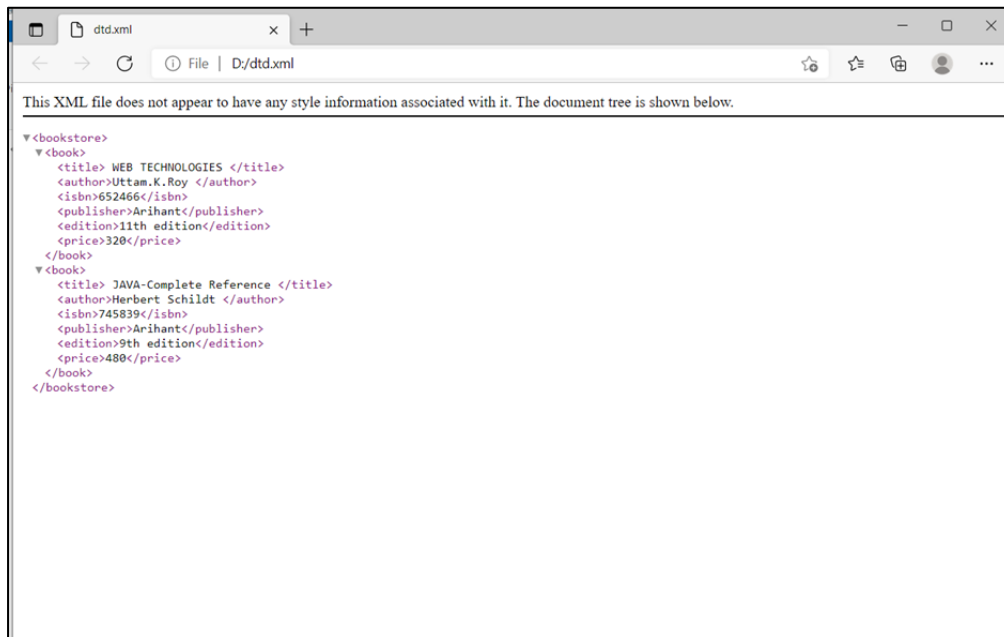
```
<!DOCTYPE bookstore [
```

```
    <!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>
```

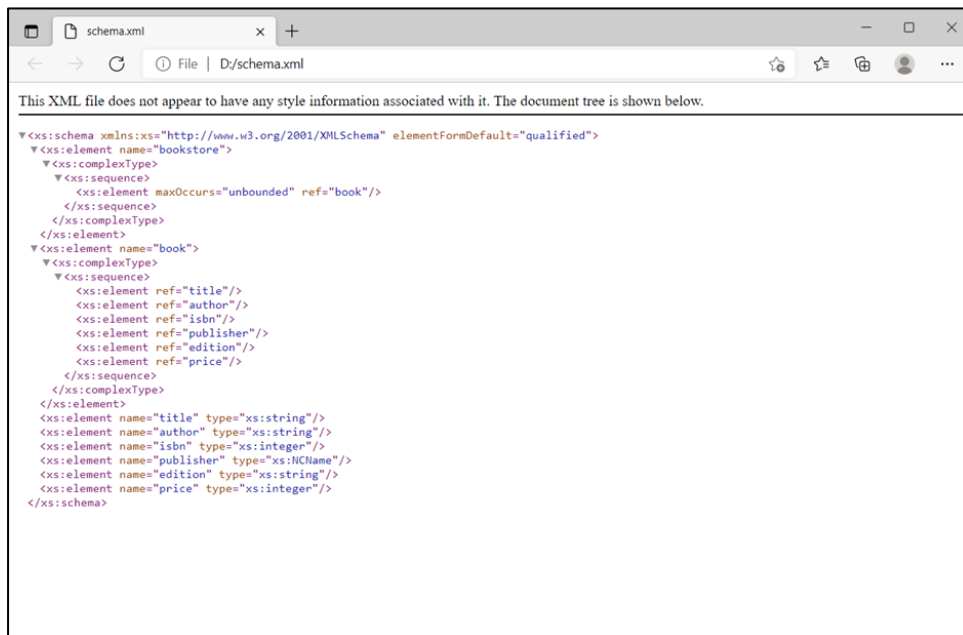
OUTPUT:



Schema file:

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://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:



9. 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:

Start typing a name in the input field below:

First name:

Suggestions: SivaSindu, Sudharani, Sravya, Supraja, Satya, Sravani, Supriya, Suma

Start typing a name in the input field below:

First name:

Suggestions: Tejasree, Tejaswi

10.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

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

insert.php

```

<?php
$servername="localhost";
$username="root";
$password="";
$dbname="wt";
$name=$_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:

Firstname:

Lastname:

Inserted Successfully

<input type="checkbox"/>	 Edit	 Copy	 Delete	1	Arun	Vetsa	NULL	2022-01-11 21:48:24
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	Kavya	Akiseti	NULL	2022-01-11 22:02:23

12. 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>

```

username	password
Kiranmai	Kiran@2002

OUTPUT:

LOGIN

Enter Username:

Enter Password:

Welcome ,Kiranmai

13. 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:

ID:

Deleted successfully.

<input type="checkbox"/>	 Edit	 Copy	 Delete	1	Arun	Vetsa	NULL	2022-01-11 21:48:24
--------------------------	--	--	--	---	------	-------	------	---------------------

14. 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:

ID:	<input type="text" value="1"/>
Lastname:	<input type="text" value="Akisetti"/>
<input type="submit" value="submit"/>	

Updated Successfully.

<input type="checkbox"/>	 Edit	 Copy	 Delete	1	Arun	Akisetti	NULL	2022-01-11 22:20:04
--------------------------	--	--	--	---	------	----------	------	---------------------

15. 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:	<input type="text" value="1"/>
<input type="submit" value="submit"/>	

id: 1 - Name: Arun Akisetti