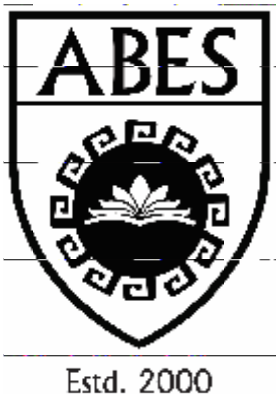
Practical File

Lab Name……WEB TECH……. Lab Code…..KIT-551…



Name……Mayankesh Mishra……..

Adm.No……2018BCI1015…….. Univ. Roll No…1803211029……

Course …B.tech…….……..Branch……CEIT……..

Sem……5th……. Section……A…..……..

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ABES Engineering College, Ghaziabad

I N D E X

Student Name:Mayankesh Mishra
Roll No:1803211029

Exp. No	Name of the Experiment	Date of Practical	Assessment by Faculty Member					
		Schedule / Actual	Pre-Lab Writing work * MM:05	Implementation/ Active Participation MM:10	Graph, Results/ Output, Calc. MM: 05	In Time submission of Lab reports/ Viva Voce MM:05	Total MM:25	Signature with Date
1	Use Basic Tags in HTML and XHTM	07-10-2020 / 07-10-2020						
2	Write a program to use links, tables, images	07-10-2020 / 07-10-2020						
3	Write a program to create menu using HTM	13-10-2020 / 13-10-2020						
4	Write a program to show the usage	13-10-2020 / 13-10-2020						
5	Write a program to print data using	20-10-2020 / 20-10-2020						
6	Create a style sheet in CSS/XSL worksheet and display the document in internet explorer	20-10-2020 / 20-10-2020						
7	Write a program to print Fibonacci Series	20-10-2020 / 20-10-2020						
8	Write a program to Sum and Multiply two numbers using JavaScript.	27-10-2020 / 27-10-2020						
9	Create validation Form in JavaScript	27-10-2020 / 27-10-2020						
10	Write a program to change content of web page using AJAX	10-11-2020 / 10-11-2020						
11	Write a program to create XMLHttpReques	17-11-2020 / 17-11-2020						
12	Write a program to connect and insert to database.	24-11-2020 / 24-11-2020						
13	Write a program to connect and insert into database via HTML	15-12-2020 / 15-12-2020						
14	Write a program to connect and insert into database via Java.	22-12-2020 / 22-12-2020						
	Teacher's Remarks (if any):					**Average Marks:**		

Name & Sign. Of Faculty members(s) with date **Name & Sign. Of Lab In charge** **HOD**

Note:
1. *Pre-Lab writing work should include problem statement, objective , Algorithum (if applicable)and Methodology.
2. Faculty members will check pre Lab writing work & Lab work readings/output in each class and sign with date.
3. Please use pen with blue colour Ink only.

1. PRACTICAL STATEMENT OF PRACTICAL:

Use Basic Tags in HTML and XHTML

2. OBJECTIVE OF PRACTICAL

To show the implementation of basic HTML tags like heading tags, lists, break, bold, italics, underline, etc.

3. THEORY

The basic elements of an HTML page are:

- A text header, denoted using the `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, `<h6>` tags.
- A paragraph, denoted using the `<p>` tag.
- A horizontal ruler, denoted using the `<hr>` tag.
- A link, denoted using the `<a>` (anchor) tag.
- A list, denoted using the `<ul>` (unordered list), `<ol>` (ordered list) and `<li>` (list element) tags.
- An image, denoted using the `<img>` tag
- A divider, denoted using the `<div>` tag
- A text span, denoted using the `<span>` tag

4. IMPLEMENTATION

```html
<html>
    <head>
        <title>Basic HTML Tags</title>
    </head>
    <body>
        <h1>This is Heading 1</h1>
        <h2>This is Heading 2</h2>
        <h3>This is Heading 3</h3>
        <h4>This is Heading 4</h4>
        <h5>This is Heading 5</h5>
        <h6>This is Heading 6</h6>
        <hr>
        <b>This Text is Bold</b>
        <br>
        <i>This Text is in Italics</i>
        <br>
        <u>This Text is Underlined</u>
        <p>This is a Paragraph</p>
        <hr>
        Ordered List
        <ol type="a">
            <li>Item 1</li>
            <li>Item 2</li>
            <li>Item 3</li>
        </ol>
        <hr>
        Unordered List
        <ul>
            <li>Item 1</li>
            <li>Item 2</li>
            <li>Item 3</li>
        </ul>
        <hr>
        <h3>Hyperlink</h3>
        <a href="#">Click Me</a>
    </body>
</html>
```

5. RESULT /OUTPUT

This is Heading 1

This is Heading 2

This is Heading 3

This is Heading 4

This is Heading 5

This is Heading 6

This Text is Bold
This Text is in Italics
This Text is Underlined

This is a Paragraph

This is a Paragraph

Ordered List

a. Item 1
b. Item 2
c. Item 3

Unordered List

- Item 1
- Item 2
- Item 3

Hyperlink

Click Me

1. PRACTICAL STATEMENT OF PRACTICAL:

Write a program to use links, tables, images and videos.

2. OBJECTIVE OF PRACTICAL

To show the usage of different links, tables, images and videos in a HTML page by using respective tags

3. THEORY

The <a> **tag** defines a hyperlink, which is used to link from one page to another.

An HTML table consists of one `<table>` element and one or more <tr>, <th>, and <td> elements. The <tr> element defines a table row, the <th> element defines a table header, and the <td> element defines a table cell.

The `<img>` tag is used to embed an image in an HTML page.

The <**video**> **tag** is used to embed **video** content in a document, such as a movie clip or other **video** streams.

4. IMPLEMENTATION

```
<html>
    <head>
        <title>Practical 2</title>
    </head>
    <body>
        <h2>Links</h2>
        <a href="#">Link 1</a>
        <br>
        <a href="#">Link 2</a>
        <br>
        <a href="#">Link 3</a>
        <hr>
        <h1 align="center">Time Table</h1>
        <table border="1" cellpadding="2" align="center">
            <tr align="center">
                <th>Days</th>
                <th>(9:00-9:40)</th>
                <th>(9:40-10:20)</th>
                <th>(10:20-10:40)</th>
                <th>(10:40-11:20)</th>
                <th>(11:20-12:00)</th>
                <th>(12:00-1:00)</th>
                <th>(1:00-1:40)</th>
                <th>(1:40-2:20)</th>
                <th>(2:20-2:40)</th>
                <th>(2:40-3:20)</th>
```

```
                <th>(2:20-2:40)</th>
                <th>(2:40-3:20)</th>
            </tr>
            <tr align="center">
                <th>Monday</th>
                <td colspan="2">DBMS</td>
                <td rowspan="6">BREAK</td>
                <td colspan="2" bgcolor="orange">CCPD-Tech Training</td>
                <td rowspan="6">LUNCH</td>
                <td colspan="2">DAA</td>
                <td rowspan="6">BREAK</td>
                <td>SEEP</td>
            </tr>
            <tr align="center">
                <th>Tuesday</th>
                <td colspan="2" bgcolor="cyan">Data Ritz</td>
                <td colspan="2">DBMS</td>
                <td>Elactive-2</td>
                <td>Constitution of India</td>
                <td></td>
            </tr>
            <tr align="center">
                <th>Wednesday</th>
                <td colspan="2">Elective-1</td>
                <td colspan="2">DAA</td>
                <td colspan="2" bgcolor="orange">CCPD-Tech Training</td>
```

```
50      <td colspan="2" bgcolor="orange">CCPD-Tech Training</td>
51      <td>SEEP</td>
52  </tr>
53  <tr align="center">
54      <th>Thursday</th>
55      <td colspan="2" bgcolor="cyan">Data Ritz</td>
56      <td colspan="2">Elective-2</td>
57      <td colspan="2">Web Tech</td>
58      <td></td>
59  </tr>
60  <tr align="center">
61      <th>Friday</th>
62      <td colspan="2">Web Tech</td>
63      <td colspan="2" bgcolor="orange">CCPD-Tech Training</td>
64      <td>Elactive-1</td>
65      <td>Constitution of India</td>
66      <td>SEEP</td>
67  </tr>
68  <tr align="center">
69      <th>Saturday</th>
70      <td colspan="2">Mini Project</td>
71      <td>Mentor</td>
72      <td></td>
73      <td colspan="2"></td>
74      <td></td>
```

```
74              <td></td>
75          </tr>
76      </table>
77      <hr>
78      <h2>Images</h2>
79      <img src="https://media.geeksforgeeks.org/wp-content/cdn-u
80      height="100" width="200">
81      <img src="https://cdn.mos.cms.futurecdn.net/hFm4iWXhbw4c4r
82      height="100" width="200">
83      <hr>
84      <h2>Videos</h2>
85      <video width="320" height="240" controls>
86          <source src="movie.mp4" type="video/mp4">
87      </video>
88      <iframe width="420" height="315" src="https://www.youtube.
89      </iframe>
90  </body>
91  </html>
```

5. Result /Output

Links

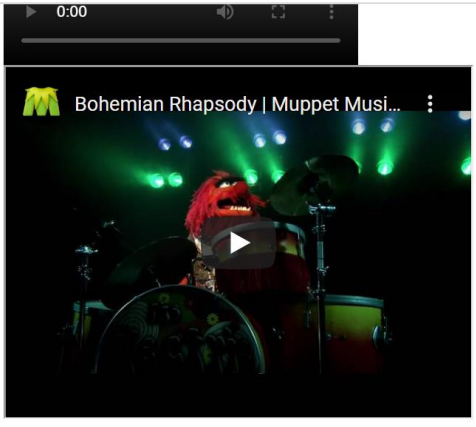
Link 1
Link 2
Link 3

Time Table ıe Table

Days	(9:00-9:40)	(9:40-10:20)	(10:20-10:40)	(10:40-11:20)	(11:20-12:00)	(10:40-11:20)	(11:20-12:00)	(12:00-1:00)	(1:00-1:40)	(1:40-2:20)	(2:20-2:40)	(2:40-3:20)
Monday	DBMS			CCPD-Tech Training		CCPD-Tech Training			DAA			SEEP
Tuesday	Data Ritz			DBMS		DBMS			Elective-2	Constitution of India		
Wednesday	Elective-1		BREAK	DAA		DAA		LUNCH	CCPD-Tech Training		BREAK	SEEP
Thursday	Data Ritz			Elective-2		Elective-2			Web Tech			

Images

Videos



1. PRACTICAL STATEMENT OF PRACTICAL:

Write a program to create menu using HTML and CSS.

2. OBJECTIVE OF PRACTICAL

To show the implementation of ordered and unordered list along with css

3. THEORY

The HTML `<ol>` tag defines an ordered list. An ordered list can be numerical or alphabetical. An ordered list starts with the `<ol>` tag. Each list item starts with the `<li>` tag.

An unordered list starts with the `<ul>` tag. Each list item starts with the `<li>` tag.

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.

CSS is the language we use to style an HTML document.

CSS describes how HTML elements should be displayed.

4. IMPLEMENTATION

```html
<html>
    <head>
        <title>Practical 3</title>
        <style>
            *{
                background-color: aqua;
            }
            h1{
                text-align: center;
                font-weight: 400;
                font-family: "Lucida Console", Courier, monospace;
                color: white;
                text-decoration: underline;
            }
            ol {
                font-stretch: expanded;
                font-size: larger;
                font-weight: 600;
            }
            ul{
                list-style-type:square;
                color: teal;
                font-size: larger;
                font-weight:600;
            }
        </style>
    </head>
    <body>
        <h1>Ordered Menu</h1>
        <ol>
            <li>Item 1</li>
            <li>Item 2</li>
            <li>Item 3</li>
            <li>Item 4</li>
            <li>Item 5</li>
        </ol>
        <h1>Unordered Menu</h1>
        <ul>
            <li>Item 1</li>
            <li>Item 2</li>
            <li>Item 3</li>
            <li>Item 4</li>
            <li>Item 5</li>
        </ul>
    </body>
</html>
```

5. RESULT /OUTPUT

1. PRACTICAL STATEMENT OF PRACTICAL:

Write a program to show the usage of frames in HTML.

2. OBJECTIVE OF PRACTICAL

To show the implementation of frames in html.

3. THEORY

HTML frames are used to divide your browser window into multiple sections where each section can load a separate HTML document. A collection of frames in the browser window is known as a frameset. The window is divided into frames in a similar way the tables are organized: into rows and columns.

4. IMPLEMENTATION

Practical4.html

```
<html>
    <head>
        <title>Frames</title>
    </head>
        <frameset rows="50%,50%">
            <frame name="f1" src="frame1.html">
            <frame name="f2" src="frame2.html">
        </frameset>
</html>
```

Frame1.html

```
<html>
    <head>
        <title>Frames</title>
    </head>
        <frameset cols="50%,50%">
            <frame name="f3" src="F1.html">
            <frame name="f4" src="F2.html">
        </frameset>
</html>
```

Frame2.html

```
<html>
    <head>
        <title>Frames</title>
    </head>
        <body bgcolor="aqua"></body>
</html>
```

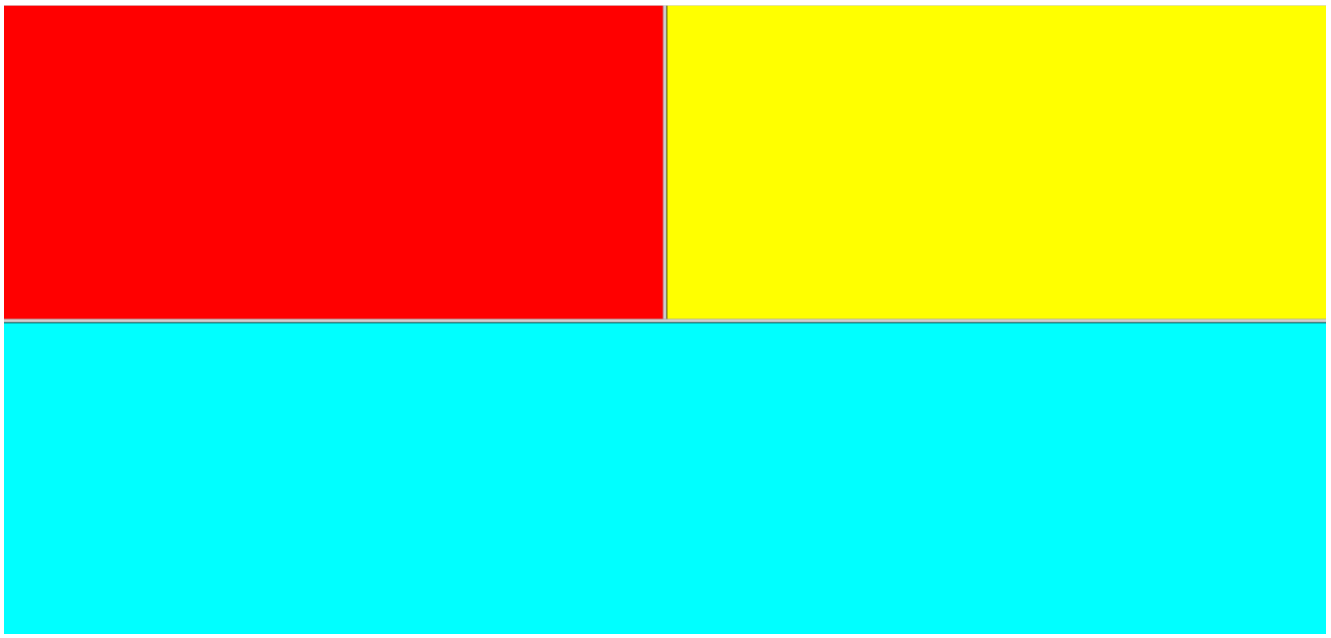
F1.html

```
<html>
    <head>
        <title>Frames</title>
    </head>
        <body bgcolor="red"></body>
</html>
```

F2.html

```
<html>
    <head>
        <title>Frames</title>
    </head>
        <body bgcolor="yellow"></body>
</html>
```

5. RESULT /OUTPUT



1. PRACTICAL STATEMENT OF PRACTICAL:

Write a program to print date using JavaScript.

2. OBJECTIVE OF PRACTICAL

To show today's date on webpage using JavaScript

3. THEORY

Date objects are created with the new Date() constructor.

4. IMPLEMENTATION

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h2>Today's Date</h2>
<p id="date"></p>
<script>
var d = new Date();
document.getElementById("date").innerHTML = d;
</script>
</body>
</html>
```

5. RESULT /OUTPUT

Today's Date

Tue Oct 20 2020 15:35:13 GMT+0530 (India Standard Time)

1. PRACTICAL STATEMENT OF PRACTICAL:

Create a style sheet in CSS/ XSL & display the document in internet explorer

2. OBJECTIVE OF PRACTICAL

To print and style XML content on webpage using JavaScript

3. THEORY

Extensible Markup Language (**XML**) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable.

4. IMPLEMENTATION

```
<style>
    books {
     color: black;
}
 heading {
     color: red;
     font-size : 40px;
}
 heading, subject, faculty, college, branch {
     display : block;
}
 subject {
     font-size : 25px;
     font-weight : bold;
}
</style>
<body>
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="Rule.css"?>
<CEIT>
    <heading>CEIT 5th SEM</heading>
    <class>

    <class>
        <subject>Title -: Web Tech</subject>
        <faculty>Faculty -: Miss Vanshika Rastogi</faculty>
        <college>College -: ABES-EC</college>
        <branch>Branch -: CEIT</branch>
        <price> Price -: 300</price>
    </class>
    <class>
        <subject>Title -: Web Tech</subject>
        <faculty>Faculty -: Miss Vanshika Rastogi</faculty>
        <college>College -: ABES-EC</college>
        <branch>Branch -: CEIT</branch>
        <price> Price -: 300</price>
    </class>
    <class>
        <subject>Title -: Web Tech</subject>
        <faculty>Faculty -: Miss Vanshika Rastogi</faculty>
        <college>College -: ABES-EC</college>
        <branch>Branch -: CEIT</branch>
        <price> Price -: 300</price>
    </class>

</CEIT>
```

5. RESULT /OUTPUT

CEIT 5th SEM

Title -: Web Tech
Faculty -: Miss Vanshika Rastogi
College -: ABES-EC
Branch -: CEIT
Price -: 300

Title -: Web Tech
Faculty -: Miss Vanshika Rastogi
College -: ABES-EC
Branch -: CEIT
Price -: 300

Title -: Web Tech
Faculty -: Miss Vanshika Rastogi
College -: ABES-EC
Branch -: CEIT
Price -: 300

1. PRACTICAL STATEMENT OF PRACTICAL:

Write a program to display Fibonacci Series in Java Script

2. OBJECTIVE OF PRACTICAL

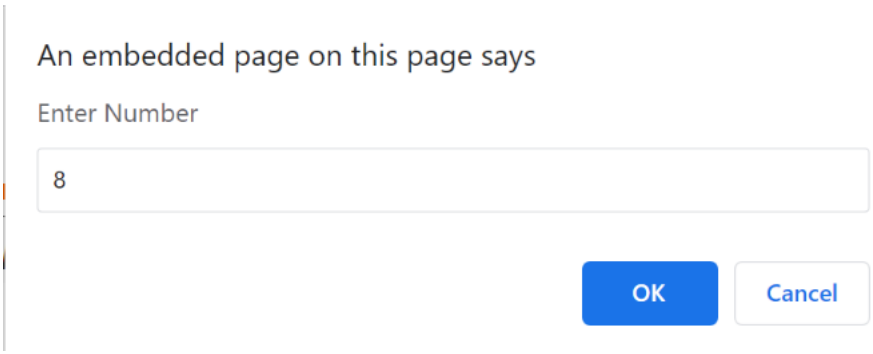
To print Fibonacci Series on webpage using JavaScript

3. THEORY

JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

4. IMPLEMENTATION

```
<html>
    <head>
        <title>Fibonacci Series</title>
    </head>
    <body>
       <script type = "text/javascript">
            var n = prompt("Enter Number", "1");
            fibonacci(n)
            function fibonacci(num)
            {
                var num1=0;
                var num2=1;
                var sum;
                var i=0;
                for (i = 0; i < num; i++)
                {
                    sum=num1+num2;
                    num1=num2;
                    num2=sum;
                    document.write("Fibonacci("+i+"): "+num2+"<br>
                }

            }
        </script>
    </body>
</html>
```



5. RESULT /OUTPUT

Fibonacci(0): 1
Fibonacci(1): 2
Fibonacci(2): 3
Fibonacci(3): 5
Fibonacci(4): 8
Fibonacci(5): 13
Fibonacci(6): 21
Fibonacci(7): 34

Roll No: 1803211029 Date: 07/10/2020

Practical Name: Program to Sum and Multiply two numbers using JavaScript. Practical No: 8

1. PRACTICAL STATEMENT OF PRACTICAL:

Write a program to Sum and Multiply two numbers using JavaScript.

2. OBJECTIVE OF PRACTICAL:

Make a program to Sum and Multiply two numbers using JavaScript.

3. THEORY:

<script>: it is used to embed a client-side script using java-script.

Function: used to define a function in Java-Script.

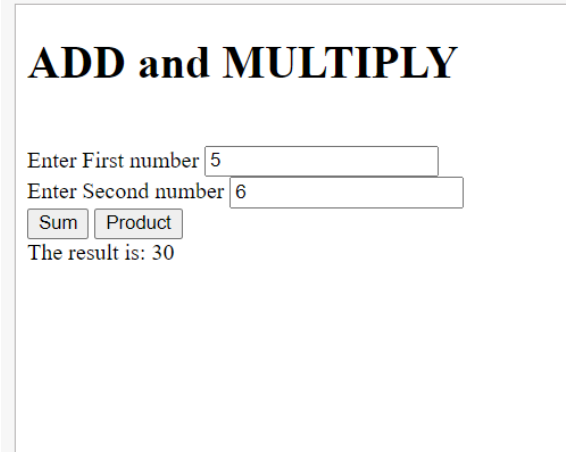
4. IMPLEMENTATION:

Xcode

Write Code Section

```
<head>
    <title>Sum and Product</title>
    <script type="text/javascript">
        function fun(t){
            var a=parseInt(document.getElementById("num1").value);
            var b=parseInt(document.getElementById("num2").value);
            if (t==0)
                x=a+b;
            else
                x=a*b;
            document.getElementById("r").innerHTML=x;}
    </script>
</head>
<body>
    <h1>ADD and MULTIPLY</h1>
    <br>
    Enter First number
    <input type="text" name="1" id="num1">
    <br>
    Enter Second number
    <input type="text" name="2" id="num2">
    <br>
    <button onclick="fun(0)">Sum</button>
    <button onclick="fun(1)">Product</button>
    <br>
    The result is: <span id="r"></span>
</body>
```

5. Result /Output:



Roll No: 1803211029 Date: 07/10/2020

Practical Name: Create validation Form in JavaScript. Practical No: 9

1. PRACTICAL STATEMENT OF PRACTICAL:

Create validation Form in JavaScript

2. OBJECTIVE OF PRACTICAL:

Create validation Form in JavaScript.

3. THEORY:

<script>: it is used to embed a client-side script using java-script.

Function: used to define a function in Java-Script.

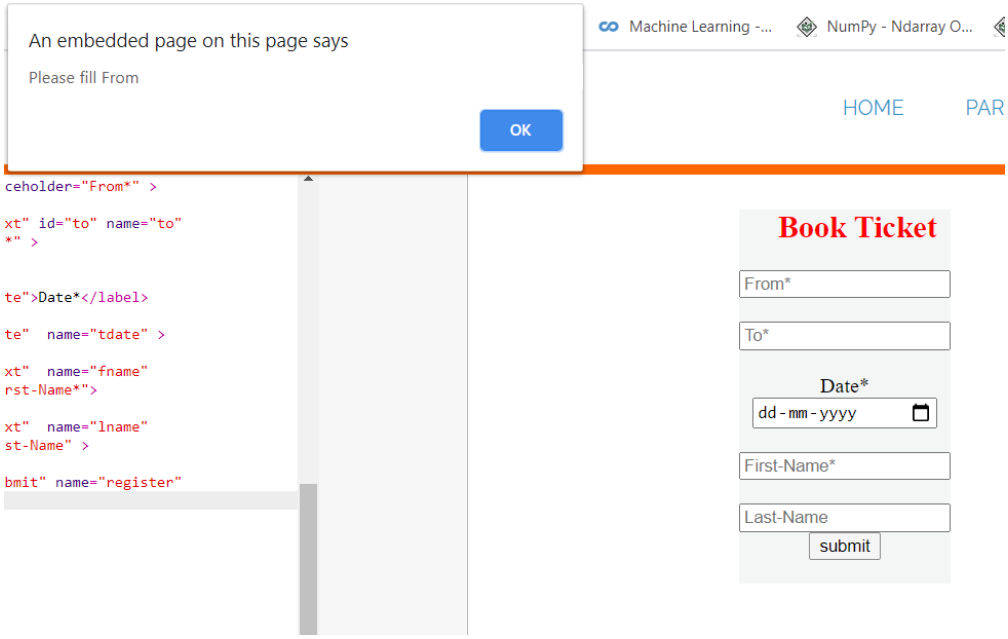
4. IMPLEMENTATION:

```
<!DOCTYPE html>
<html>
<head>
    <title>Railway-1</title>
    <script type="text/javascript">
        function validate(){
            var f = document.railway.from.value;
            var t = document.railway.to.value;
            var f = document.railway.from.value;
            var fn = document.railway.fname.value;

            if(!f){
                alert("Please fill From");
                return false;
            }

            if(!t){
                alert("Please fill To");
                return false;
            }

            if(!fn){
                alert("Please fill First Name");
                return false;
            }
            if (fn.length<3){
```

```
        }
    </script>
</head>
<body >

    <table align="center" style="width: 30%; height: 30%" >

        <td>
        <td>
            <div align="center" style="background-color: #F4F6F6">
            <h2 style="color: red; margin-left: 20px">
                Book Ticket</h2>
            <form name="railway" method="post"
            onsubmit="validate()">
                <input type="text" id="from"
                name="from" placeholder="From*" >
                <br><br>
                <input type="text" id="to" name="to"
                placeholder="To*" >

                <br><br>
                <label for="tdate">Date*</label>
                <br>
                <input type="date"  name="tdate" >
                <br><br>
                <input type="text"  name="fname"
                placeholder="First-Name*">
```

```
                name="from" placeholder="From*" >
                <br><br>
                <input type="text" id="to" name="to"
                placeholder="To*" >

                <br><br>
                <label for="tdate">Date*</label>
                <br>
                <input type="date"  name="tdate" >
                <br><br>
                <input type="text"  name="fname"
                placeholder="First-Name*">
                <br><br>
                <input type="text"  name="lname"
                placeholder="Last-Name" >

                <input type="submit" name="register"
                value="submit">
                <br><br>
            </form>
        </div>
        </td>

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

5. Result /Output:



1. PRACTICAL STATEMENT OF PRACTICAL:

Write a program to change content of web page using AJAX.

2. OBJECTIVE OF PRACTICAL:

To display the working of AJAX using web server.

3. THEORY:

AJAX: Asynchronous JavaScript and XML. AJAX is a technique for creating fast and dynamic web pages. AJAX allows web pages to be updated asynchronously by exchanging small amounts of data with the server behind the scenes. This means that it is possible to update parts of a web page, without reloading the whole page.

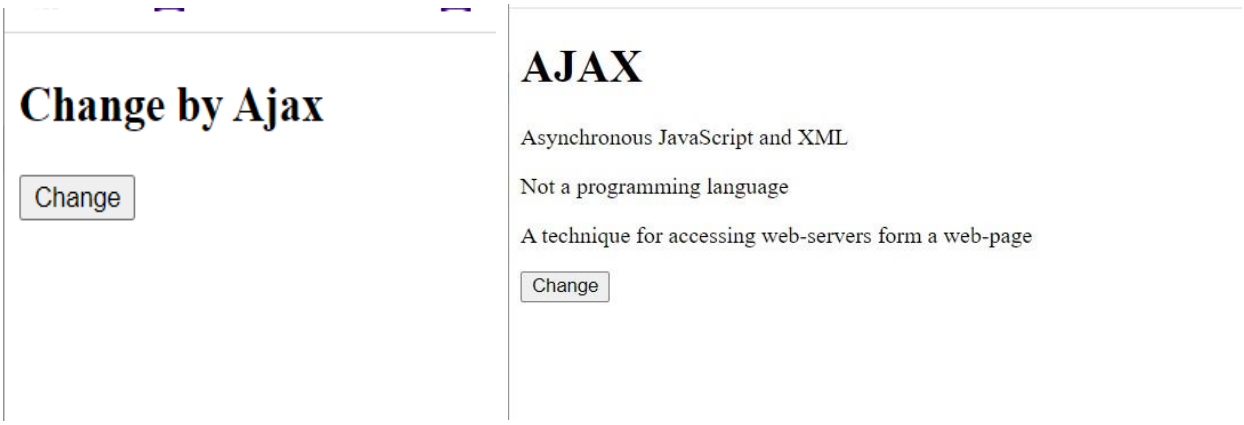
4. IMPLEMENTATION:

```html
<!DOCTYPE html>
<html>
<head>
    <title></title>
    <script type="text/javascript">
        function loadXMLDoc()
        {
            var xmlhttp;
            if (window.XMLHttpRequest){
                xmlhttp = new XMLHttpRequest();
            }
            else{
                xmlhttp = new ActiveXObject("Microsoft.XMLHTTP")
            }
            xmlhttp.onreadystatechange = function()
            {
                if (xmlhttp.readyState == 4 && xmlhttp.status == 200){
                    document.getElementById("myDiv").innerHTML = xmlhttp.responseText;
                }
            }
            xmlhttp.open('Get','ajax_info.html');
            xmlhttp.send();
        }
    </script>
</head>
<body>
    <div id= "myDiv"><h2>Change by Ajax</h2></div>
    <button type="button" onclick="loadXMLDoc()">Change</button>

</body>
</html>
```

```html
<h1>AJAX</h1>
<p>Asynchronous JavaScript and XML</p>
<p>Not a programming language</p>
<p>A technique for accessing web-servers form a web-page</p>
```

Practical Name : Write a program to change content of web page using AJAX. Practical No:10

5. Result /Output:



1. PRACTICAL STATEMENT OF PRACTICAL:

XMLHttpRequest

2. OBJECTIVE OF PRACTICAL

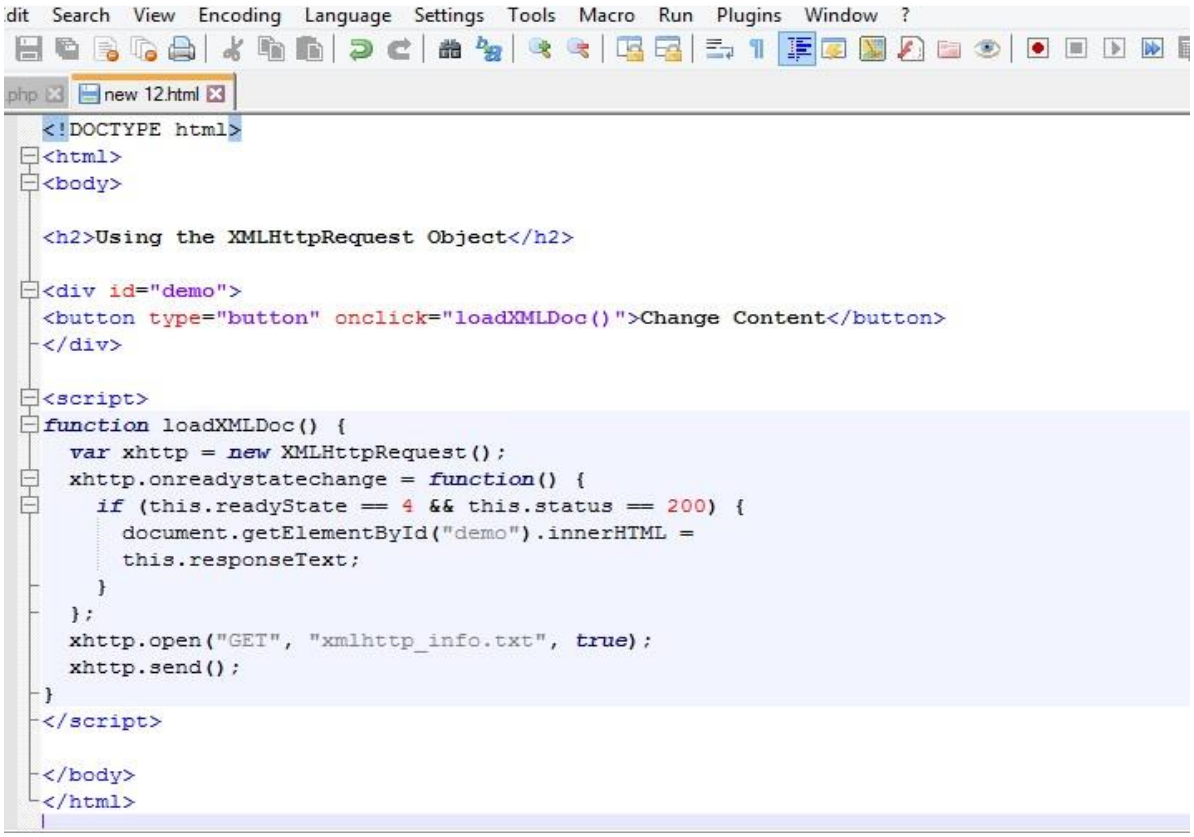
Write a program to create XMLHttpRequest.

3. THEORY

The XMLHttpRequest object can be used to request data from a web server.
The XMLHttpRequest object is **a developers dream**, because you can:

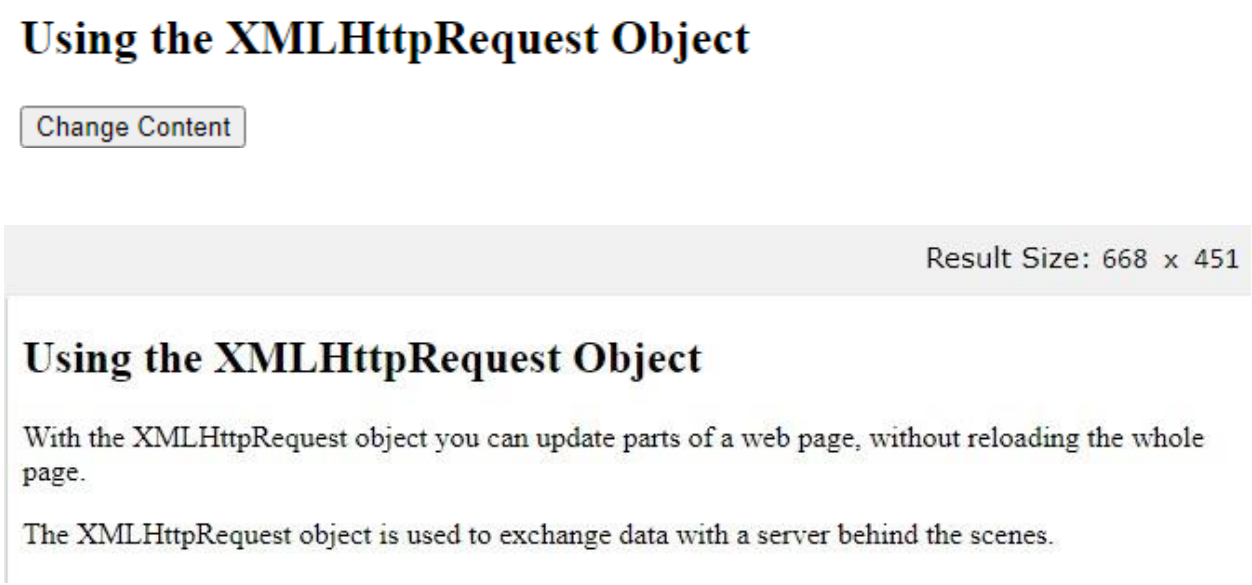
- Update a web page without reloading the page
- Request data from a server - after the page has loaded
- Receive data from a server - after the page has loaded
- Send data to a server - in the background

4. IMPLEMENTATION




```
<!DOCTYPE html>
<html>
<body>

<h2>Using the XMLHttpRequest Object</h2>

<div id="demo">
<button type="button" onclick="loadXMLDoc()">Change Content</button>
</div>

<script>
function loadXMLDoc() {
  var xhttp = new XMLHttpRequest();
  xhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
      document.getElementById("demo").innerHTML =
      this.responseText;
    }
  };
  xhttp.open("GET", "xmlhttp_info.txt", true);
  xhttp.send();
}
</script>

</body>
</html>
```

5. Result /Output



1. PRACTICAL STATEMENT OF PRACTICAL:

Write a program to connect and insert to database.

2. OBJECTIVE OF PRACTICAL:

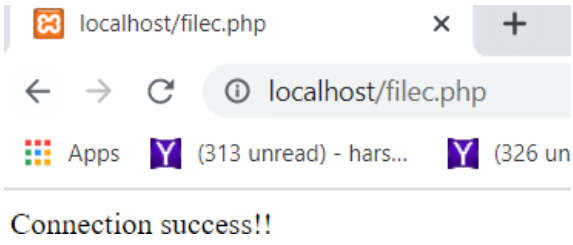
To connect to database and insert records.

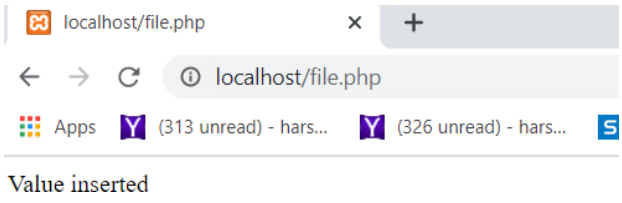
3. IMPLEMENTATION:

```php
<?php
    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpassword = '123456';
    $db = 'sakila';
    $connect = mysqli_connect("$dbhost", "$dbuser", "$
        dbpassword", "$db");
    echo "Connection success!!";
?>
```

```php
<?php
    $dbhost = 'localhost';
    $dbuser = 'root';
    $dbpassword = '123456';
    $db = 'sakila';
    $connect = mysqli_connect("$dbhost", "$dbuser", "$
        dbpassword", "$db");
    if(!$connect){
        die("Connection Failed: " . mysqli_connect_error());
    }
    $sql = "INSERT INTO user (user_id, password, fname, lnmae)
            VALUES (2, 'AABD', 'Harshul', 'Gupta')";
    if(mysqli_query($connect, $sql)){
        echo "Value inserted";
    }
    else{
        echo "Error";
    }
    mysqli_close($connect);
?>
```

4. Result /Output:






```
mysql> desc user;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| user_id  | int         | YES  |     | NULL    |       |
| password | varchar(20) | YES  |     | NULL    |       |
| fname    | varchar(20) | YES  |     | NULL    |       |
| lnmae    | varchar(20) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

```
mysql> select * from user;
+---------+----------+---------+-------+
| user_id | password | fname   | lnmae |
+---------+----------+---------+-------+
|       2 | AABD     | Harshul | Gupta |
+---------+----------+---------+-------+
```

1. **PRACTICAL STATEMENT OF PRACTICAL:** Write a program to connect and insert into database via HTML.

2. **OBJECTIVE OF PRACTICAL:** To connect and insert record into database via HTML using PHP.

3. **IMPLEMENTATION:**

form.html

```html
<html>
<head>
<title>Records</title>
</head>
<body>
<form action="insert_form.php" method="post">
    <p>
        <label for="ID">Student ID</label>
        <input type="text" name="SID" id="SID">
    </p>
    <p>
        <label for="SName">Student Name</label>
        <input type="text" name="Sname" id="Sname">
    </p>
    <p>
        <label for="Age">Age</label>
        <input type="text" name="Age" id="Age">
    </p>
    <input type="submit" value="submit">
</form>
</body>
</html>
```

insert_form.php

```php
<?php
    $dbhost = 'localhost';
    $dbuser='root';
    $dbpass='';
    $db='test';
    $link=mysqli_connect("$dbhost","$dbuser","$dbpass","$db");
    if($link===false){
        die("Error: Could not connect..." .mysqli_connect_error());
    }
    $SID=mysqli_real_escape_string($link, $_REQUEST['SID']);
    $SID=(int)$SID;
    $Sname=mysqli_real_escape_string($link,$_REQUEST['Sname']);
    $Age=mysqli_real_escape_string($link,$_REQUEST['Age']);
    $Age=(int)$Age;
    $sql="INSERT INTO table1 (SID,Sname,Age) VALUES ('$SID','$Sname','$Age')";
    if(mysqli_query($link,$sql)){
        echo "Records updated";
    }
    else{
        echo "Error occured";
    }
    mysqli_close($link);
?>
```

4. RESULT/OUTPUT:

Student ID 1

Student Name Mayankesh

Age 20

submit

Records updated

SID	Sname	Age
1	Mayankesh	20
NULL	NULL	NULL

1. **PRACTICAL STATEMENT OF PRACTICAL:** Write a program to connect and insert into database via Java.

2. **OBJECTIVE OF PRACTICAL:** To connect and insert record into database via Java file.

3. **IMPLEMENTATION:**

MysqlCon.java

```java
import java.sql.DriverManager;
import java.sql.Connection;
import java.sql.SQLException;
public class MysqlCon{
    public static void main(String args[]) throws ClassNotFoundException{
        Connection conn = null;
        String driver = "com.mysql.jdbc.Driver";
        String db = "test";
        String url = "jdbc:mysql://localhost:3306" + db;
        String user = "root";
        String pass = "123456";

        try{
            Class.forName(driver);
            conn = DriverManager.getConnection(url,user,pass);
            System.out.println("Connected to database:"+db);
            stmt = conn.createStatement();
            String sql = "Insert into table1 values (1,'Harshul',20)";
            stmt.executeUpdate(sql);
        }
        catch(SQLException e){
            System.out.println("SQLException: "+e.getMessage());
        }
    }
}
```

4. RESULT/OUTPUT:

```
mysql> select * from table1;
+------+---------------+------+
| SID  | Sname         | Age  |
+------+---------------+------+
|    1 | Harshul Gupta |   20 |
+------+---------------+------+
1 row in set (0.00 sec)
```