

MADRAS INSTITUTE OF TECHNOLOGY

ANNA UNIVERSITY



DEPARTMENT OF INFORMATION TECHNOLOGY

**IT5211 INFORMATION TECHNOLOGY ESSENTIALS
LAB MANUAL
REGULATION - 2019**

Vision of the Department

To educate students with conceptual knowledge and technical skills in the field of Information Technology with moral and ethical values to achieve excellence in an academic, industry and research centric environment.

Mission of the Department

1. To inculcate in students a firm foundation in theory and practice of IT skills coupled with the thought process for disruptive innovation and research methodologies, to keep pace with emerging technologies.
2. To provide a conducive environment for all academic, administrative, and interdisciplinary research activities using state-of-the-art technologies.
3. To stimulate the growth of graduates and doctorates, who will enter the workforce as productive IT engineers, researchers, and entrepreneurs with necessary soft skills, and continue higher professional education with competence in the global market.
4. To enable seamless collaboration with the IT industry and Government for consultancy and sponsored research.
5. To cater to cross-cultural, multinational, and demographic diversity of students.
6. To educate the students on the social, ethical, and moral values needed to make significant contributions to society.

Program Educational Objectives (PEO)

After completion of the B.Tech. (IT) course, students will be able to:

PEO1: Demonstrate core competence in basic engineering and mathematics to design, formulate, analyse, and solve hardware/ software engineering problems.

PEO2: Have insight in fundamental areas of Information Technology and related engineering with an inclination towards self-learning to address real-world problems using digital and cognitive technologies.

PEO3: Collaborate with industry, academic and research institutions for product and research related development.

PEO4: Inculcate a high degree of professionalism, effective communication skills and team spirit to work on multidisciplinary projects in diverse environments.

PEO5: Practice high ethical values and technical standards.

Program Specific Outcomes(PSO)

PSO1: Ability to apply programming principles and practices for the design of software solutions in an internet-enabled world of business and social activities.

PSO2: Ability to identify the resources to build and manage the IT infrastructure using the current technologies in order to solve real world problems with an understanding of the tradeoffs involved in the design choices.

PSO3: Ability to plan, design and execute projects for the development of intelligent systems with a focus on the future

IT5211 INFORMATION TECHNOLOGY ESSENTIALS LABORATORY**L T P C**
0 0 4 2**OBJECTIVES:**

- To create attractive web pages using CSS (internal & external style sheets).
- To introduce the JavaScript/Angular JS for client-side validation of the web forms.
- To understand the concepts of PHP programming.
- To introduce PHP scripting language and MySQL functionalities for the development of simple data-centric applications.

Exercises

1. Design of static webpage primarily with text and CSS.
2. Apply the inline and block level elements to identify the difference in the layout.
3. Design the HTML forms (text boxes, text areas, radio buttons, check boxes and other elements by understanding the input types and specified needs).
4. Include image/audio and video elements in the web pages.
5. Format and position the text using CSS borders, background and color by understanding the box model.
6. Validate the HTML form elements by creating small client-side validation scripts using JavaScript/Angular JS.
7. Create small PHP scripts to manipulate data using various operators and PHP functions and display the results.
8. Write two different PHP scripts to demonstrate passing variables to a URL.
9. Create Website Registration Form using text box, check box, radio button, select, submit button, and display user inserted value in new PHP page.
10. Write two different PHP scripts to demonstrate passing variables with sessions and cookies.
11. Write PHP script to connect MySQL server from the website incorporating error handling using exceptions
12. Create a dynamic web site using PHP and MySQL.

TOTAL: 60 PERIODS**OUTCOMES:**

On Completion of the course, the students should be able to:

- Design and develop static web pages by using the markup languages that meet the specified needs and interests.
- Validate HTML forms developed using the JavaScript/Angular JS.
- Create dynamic websites/web based applications using HTML, PHP, and MYSQL database.
- Debug the programs by applying concepts and error handling techniques of HTML, JavaScript, PHP and MYSQL.

- Address/solve the real-time issues by developing data centric applications.
- Develop responsive websites using the programming languages and techniques associated with the World Wide Web.

Mapping of Course Outcomes (COs) with Program Outcomes (POs)

CO	Program Outcomes(POs)												PSO1	PSO2	PSO3
	1	2	3	4	5	6	7	8	9	10	11	12			
Design and develop static web pages by using the markup languages that meet the specified needs and interests.	1	2	2	1	0	0	0	0	0	0	1	3	2	1	1
Validate HTML forms developed using the JavaScript/Angular JS.	1	2	1	2	1	0	0	0	0	0	1	1	2	1	1
Create dynamic websites/web based applications using HTML, PHP, and MYSQL database.	1	2	3	2	2	0	0	0	0	0	2	3	3	3	3
Debug the programs by applying concepts and error handling techniques of HTML, JavaScript, PHP and MYSQL	1	2	2	2	1	0	0	0	0	0	0	0	2	2	1
Address/solve the real-time issues by developing data centric applications	1	2	2	1	1	0	0	0	2	0	0	0	1	3	1
Develop responsive websites using the programming languages and techniques associated with the World Wide Web.	1	2	3	3	1	0	0	0	2	0	3	2	2	3	2

GRADING RUBRIC FOR LABORATORY COURSES			
	Good Marks (81%-100%)	Average Marks (50%-80%)	Satisfactory Marks (< 50%)
Continuous Assessment (Covers Preparedness, Basic implementation, Ability to adapt additional features and coding standards) (Max Marks:25)	Presence of detailed procedure, coding samples with proper implementation. Able to adapt the changes in the code quickly. Proper Coding Style.	Clarity of the procedure and coding samples are average with partial implementation. Able to understand the changes but unable to implement it. Fairly presented code with medium standards.	Lack of detailed procedure as well as coding samples with incorrect implementation. Unable to adapt the changes in coding. Coding standards are not followed. Code is messy.
Laboratory Test (Covers Understanding of problem, Basic Problem Solving and Ability to code, test, run and debug within the stipulated time) (Max Marks:25)	Problem understood clearly and solved. Complete implementation with proper test data within the stipulated time.	Problem understood but problem solving is not full-fledged. Completion of three fourths of the implementation with proper test data.	Lack of understanding and problem-solving ability is poor. Implementation not completed/ Partial implementation within the stipulated time.
Course Oriented Laboratory Project (Covers Problem Selection, Demonstration of the Project, Wide coverage of concepts in the target language) (Max Marks:25)	Selection of good real time problem with Complete implementation with in-depth understanding on the concepts implemented. Wide coverage of concepts in the target language.	Selection of good real time problem with partially complete implementation and good knowledge on the concepts implemented. Moderate coverage of concepts.	Selection of fair problem with incomplete implementation. Lack of proper knowledge and understanding on the concepts implemented. Limited coverage of concepts.

S.NO	NAME OF THE EXPERIMENT
1.	HTML Tags
2.	Designing Web Page using HTML Forms
3.	Multimedia Application using HTML5
4.	Inline and Internal CSS
5.	External CSS
6.	Java Script Introduction Hello World
7.	Variables and Functions in Java Script
8.	Control Flow Statements in Java Script
9.	Arrays in Java Script
10.	Popup Boxes in Java Script
11.	Front End Development using HTML Forms with Java Script
12.	PHP Introduction Hello World
13.	Variables and Functions in PHP
14.	Control Flow Statements in PHP
15	Front End and Back End Development using HTML Forms with PHP
16	Web application with Database support using PHP

1. HTML Tags

Exp.No. : 1

Date 12/04/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work HTML tags.

I. EXAMPLE OF HTML TAG:

(USING BASIC HTML TAGS, <a>, -
,

)

1. SOURCE CODE

```
<!DOCTYPE html>
<html>
<head>

<title>EXP 1</title>

<style>
    h1 {text-align: center;
        font-size: 70px;}
    li {border:2px solid black;
        margin-bottom: 50px;
        border-radius: 100px;
        height: 2cm;
        text-align: center;
        font-size: 50px;
        width: 80%; background-color: honeydew;
    }
    a {text-decoration: none;
        color: hotpink;}
    body {background-color: rgb(131, 240, 145);
        padding-left: 1cm;}
    img {border-radius: 100px;
```

```
height: 1.5cm;}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<center>
```

```
<h1>ENTREPRENEURS</h1>
```

```
<ol>
```

```
<li> Steve Jobs 

```
Bill Gates

```
<li>Elon Musk 

```

```



```
</center>
```



```
</body>
```



```
</html>
```


```


```


```

2. OUTPUT

The screenshot shows a web browser window with a green background. It displays a list of three entrepreneurs with numbered links:

1. Steve Jobs → Click Here to know his history
2. Bill Gates → Click Here to know his history
3. Elon Musk → Click Here to know his history

Each link is enclosed in a rounded rectangle with a blue arrow pointing right.

After clicking link-3;

The screenshot shows the Wikipedia page for Elon Musk. The page title is "Elon Musk". The content includes a brief biography, a photo of Elon Musk, and detailed sections on his work at SpaceX, Tesla, and other ventures. The sidebar on the left contains navigation links for the Wikipedia site.

II. EXAMPLE OF HTML TAG:

(USING BASIC HTML TAGS,,)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>

<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Q1 b</title>

<style>

body {background-color: skyblue;}

body {padding-left: 35%;
font-size: 30px;
font-family:cursive;
background-image: radial-gradient(red,yellow);
}

h1 {text-decoration: underline;}
::marker {color:rgb(247, 247, 247)};
::selection {color: greenyellow;background: greenyellow;}

</style>

</head>

<body>

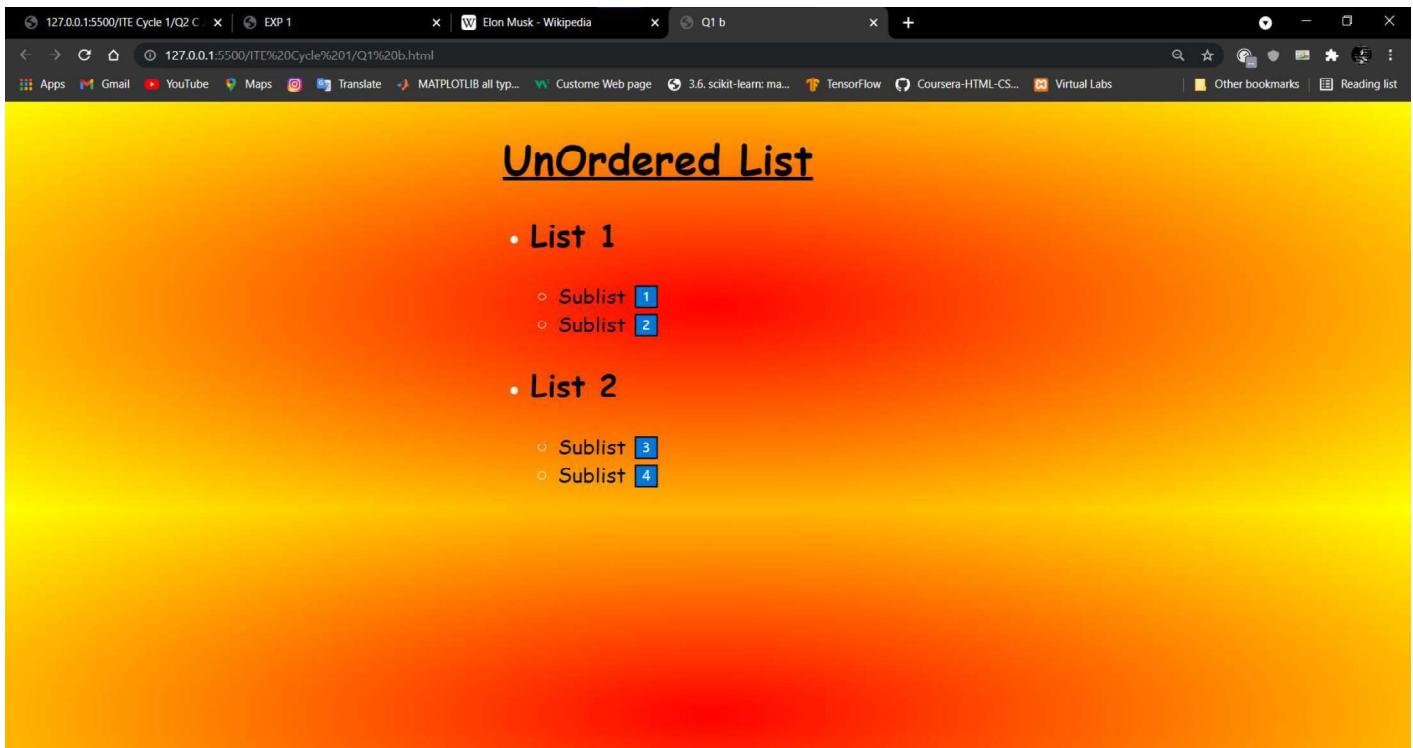
<h1>UnOrdered List</h1>
<ul>
```

```
<li><h2>List 1</h2>
<ul>
    <li>Sublist 1</li>
    <li>Sublist 2</li>
</ul>
</li>

<li><h2>List 2</h2>
<ul>
    <li>Sublist 3</li>
    <li>Sublist 4</li>
</ul>
</li>

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

2. OUTPUT



III. EXAMPLE OF HTML TAG:

(USING BASIC HTML TAGS,<table></table>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        body {font-size: 40px;
            background-image: linear-gradient( red ,blue ,yellow,green);
            background-image: radial-gradient(red,orange,yellow,green);
            background-repeat: no-repeat;
            background-size: 100% 1000px;}
        table {box-shadow: 5px 5px 3px black;
            position: relative; top: 200px;}
        table,th,td {
            border: 2px solid black;
            border-collapse: collapse;
            padding: 10px 1cm 10px 1cm;}
        th {background-color: rgb(217, 255, 0);}
        #HL2 {background-color: rgb(20, 247, 235);}
        #HL3 {background-color: rgb(192, 0, 250);}
        td {background: paleturquoise;
            font-weight: bold;}
    </style>
</head>
<body>
    <center>
        <table>
            <tr ><th colspan="5" id="HL1">NUMBER OF EMPLOYEES</th></tr>
            <tr >
                <th>YEAR</th>
```

```
<th colspan="2">2000</th>
<th colspan="2">2001</th>
</tr>
<tr>
<tr><th>GENDER</th>
<th id="HL3">MALE</th><th id="HL3">FEMALE</th>
<th id="HL3">MALE</th><th id="HL3">FEMALE</th>
</tr>
</tr>
<tr>
<th id="HL2">FRESHMAN</th>
<td>1000</td>
<td>2000</td>
<td>1210</td>
<td>1980</td>
</tr>
<tr>
<th id="HL2">SENIORS</th>
<td>2500</td>
<td>1394</td>
<td>1989</td>
<td>2002</td>
</tr>
<tr>
<th id="HL2">EMPTY SEATS</th>
<td>29</td>
<td>102</td>
<td>35</td>
<td>49</td>
</tr>
</table>
</center>
</body>
</html>
```

2. OUTPUT

The screenshot shows a web browser window with four tabs open. The active tab displays an HTML table with the following data:

NUMBER OF EMPLOYEES				
YEAR	2000		2001	
GENDER	MALE	FEMALE	MALE	FEMALE
FRESHMAN	1000	2000	1210	1980
SENIORS	2500	1394	1989	2002
EMPTY SEATS	29	102	35	49

RESULT

Thus the basic HTML tags were implemented and executed successfully.

2. Designing Web Page using HTML Forms

Exp.No. : 2

Date 12/04/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with designing web page using HTML forms.

I. EXAMPLE OF DESIGNING WEB PAGE USING HTML FORMS:

(USING HTML FORM TAGS, <select></select>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        select{padding: 10px; font-size: 50px;}
        legend {font-size: 40px;}
        fieldset,select{border: 5px dashed #000000;}
        fieldset {padding: 50px 100px 60px 100px;background-color: burlywood;width: 50%;text-align: center;}
    </style>
</head>

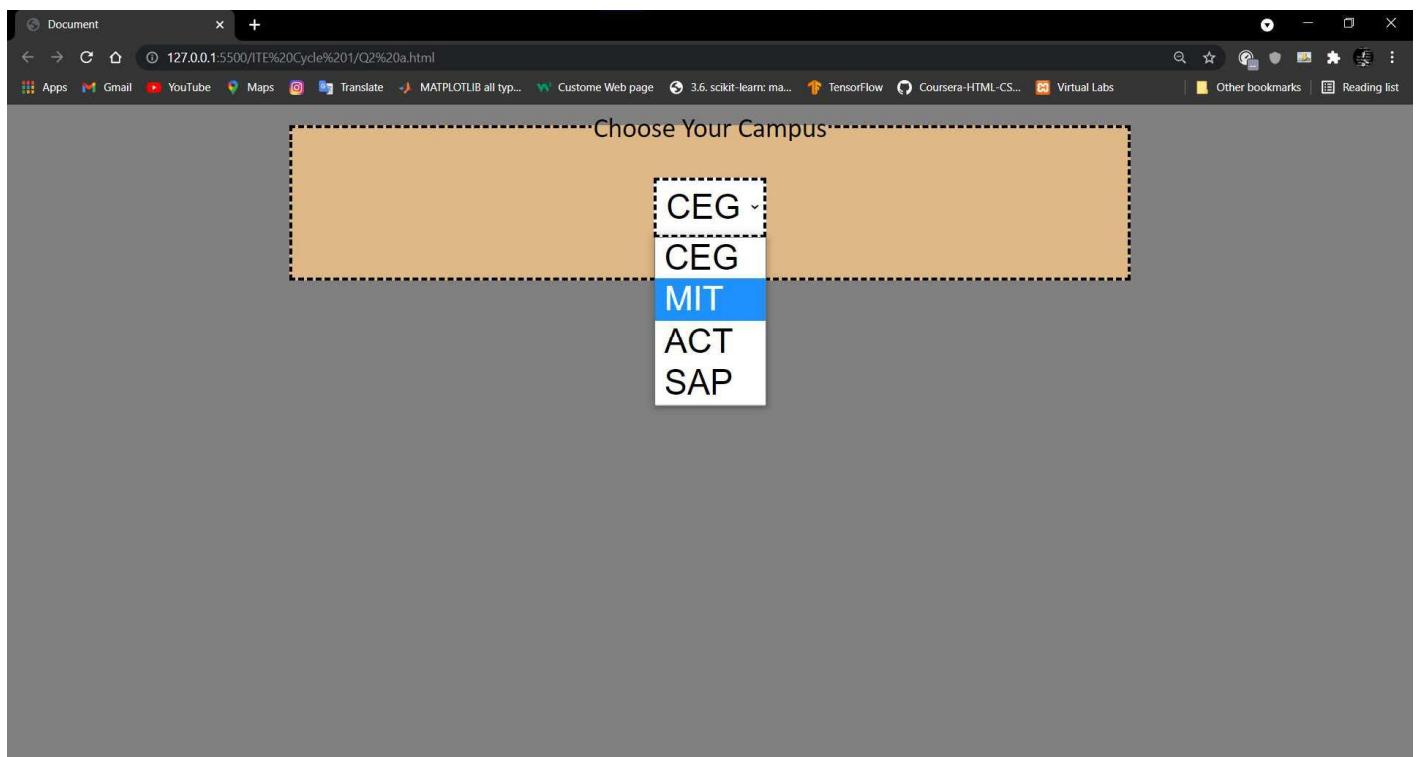
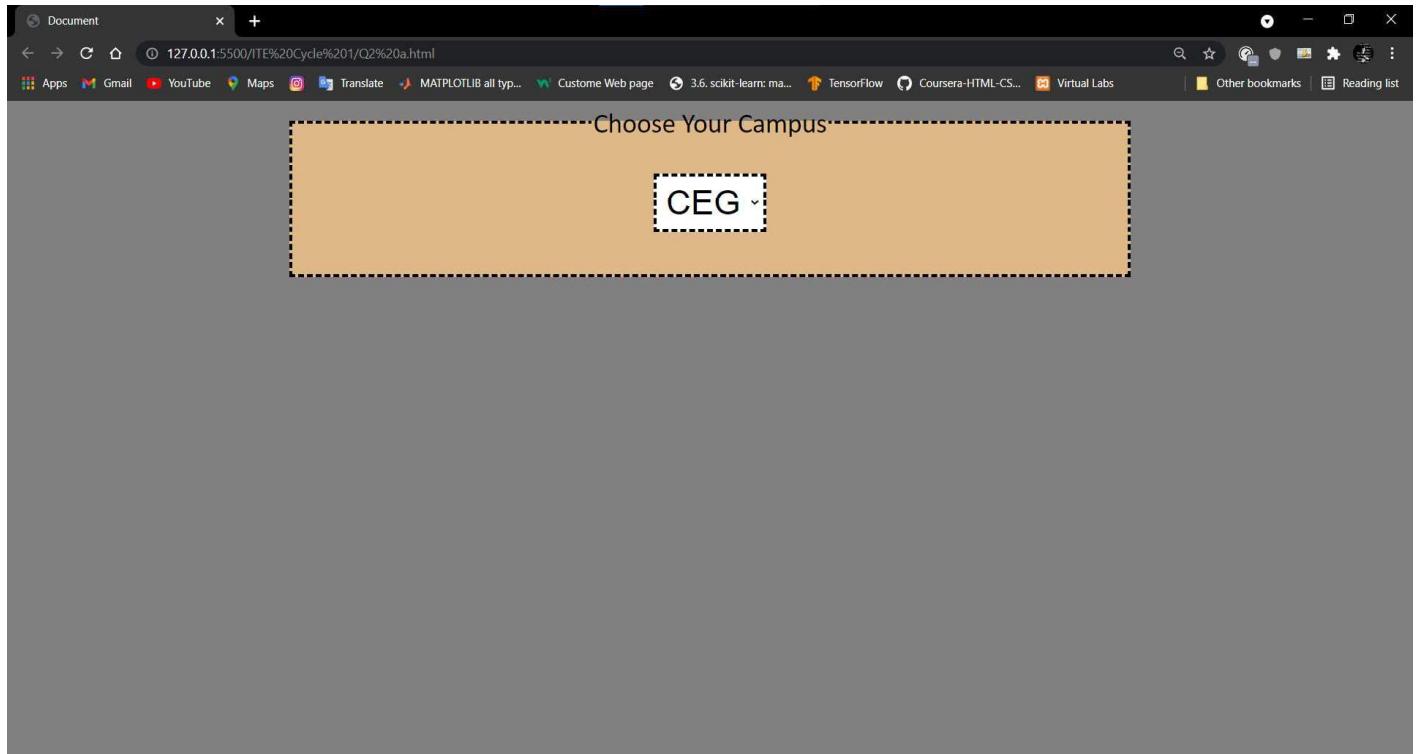
<body bgcolor="grey">
    <center>

        <form>
            <fieldset>
                <legend>Choose Your Campus</legend>
```

```
<select>
    <option>CEG</option>
    <option>MIT</option>
    <option>ACT</option>
    <option>SAP</option>
</select>
</fieldset>
</form>

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

2. OUTPUT



II. EXAMPLE OF DESIGNING WEB PAGE USING HTML FORMS:

(USING HTML FORM TAGS, <input type="...">)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        h1{
            font-size: 50px;
        }
        form {
            position: relative;
            border: 3px solid black;
            padding: 1cm 2cm 1cm 2cm;
            font-size: 40px;
            width: fit-content;
            top: 50px;
            background-color: darksalmon;
        }
        input[type="submit"] {
            width: max-content;
            font-size: 30px;
            background-color: black;
            color: white;
            opacity: 1;
            position: relative;
            left: 200px;
        }
        input[type="submit"]:hover {

```

```

background-color: white;
color: black;
}

#box {width:10cm;height: 1cm;}
input {border: 3px solid black;
font-size: 30px;
}

body {background-image: radial-gradient(gray,violet,skyblue);}

</style>

</head>

<body>

<center>

<h1><b><i>BASIC INFORMATION</i></b></h1>

<form>

Name : <input type="text" name="name" id="box"><br><br>
DOB : <input type="date" name="dob" id="box"><br><br>
Email : <input type="email" name="mail" id="box" placeholder="example@gmai
l.com"><br><br>
website : <input type="url" name="website" id="box" placeholder="https://exam
ple.com"><br><br>
Comment : <textarea name="comment" cols="30" rows="5"></textarea><br><b
r>
<input type="submit" name="Submit">
</form>

</center>
</body>
</html>

```

2. OUTPUT

A screenshot of a web browser window titled "Document". The URL in the address bar is "127.0.0.1:5500/ITE%20Cycle%201/Q2%20b%20.html?name=&dob=&mail=&website=&comment=&Submit=Submit". The page content is titled "BASIC INFORMATION" and contains five input fields: "Name : [empty]", "DOB : [mm/dd/yyyy] [calendar icon]", "Email : example@gmail.com", "website : https://example.com", and "Comment : [empty]". A "Submit" button is located at the bottom right of the form.

A screenshot of a web browser window titled "Document". The URL in the address bar is "127.0.0.1:5500/ITE%20Cycle%201/Q2%20b%20.html?name=&dob=&mail=&website=&comment=&Submit=Submit". The page content is titled "BASIC INFORMATION" and contains five input fields: "Name : Rahul Prasanth D", "DOB : 12/28/2002 [calendar icon]", "Email : abc@gamil.com", "website : http://google.com", and "Comment : [empty]". A "Submit" button is located at the bottom right of the form.

III. EXAMPLE OF DESIGNING WEB PAGE USING HTML FORMS

(USING HTML FORM TAGS, <input type="password">)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>

<style>
body {
    background-color: black;
}

fieldset {width: fit-content;
    font-size: 40px;
    border: 3px dotted darkgreen;
    background-image: linear-gradient(180deg,red,yellow,pink);
    position: relative;
    top: 150px;
    padding: 50px;
}

input[type="submit"] {float: right;
    font-size: 25px;
    background-color: deeppink;
}

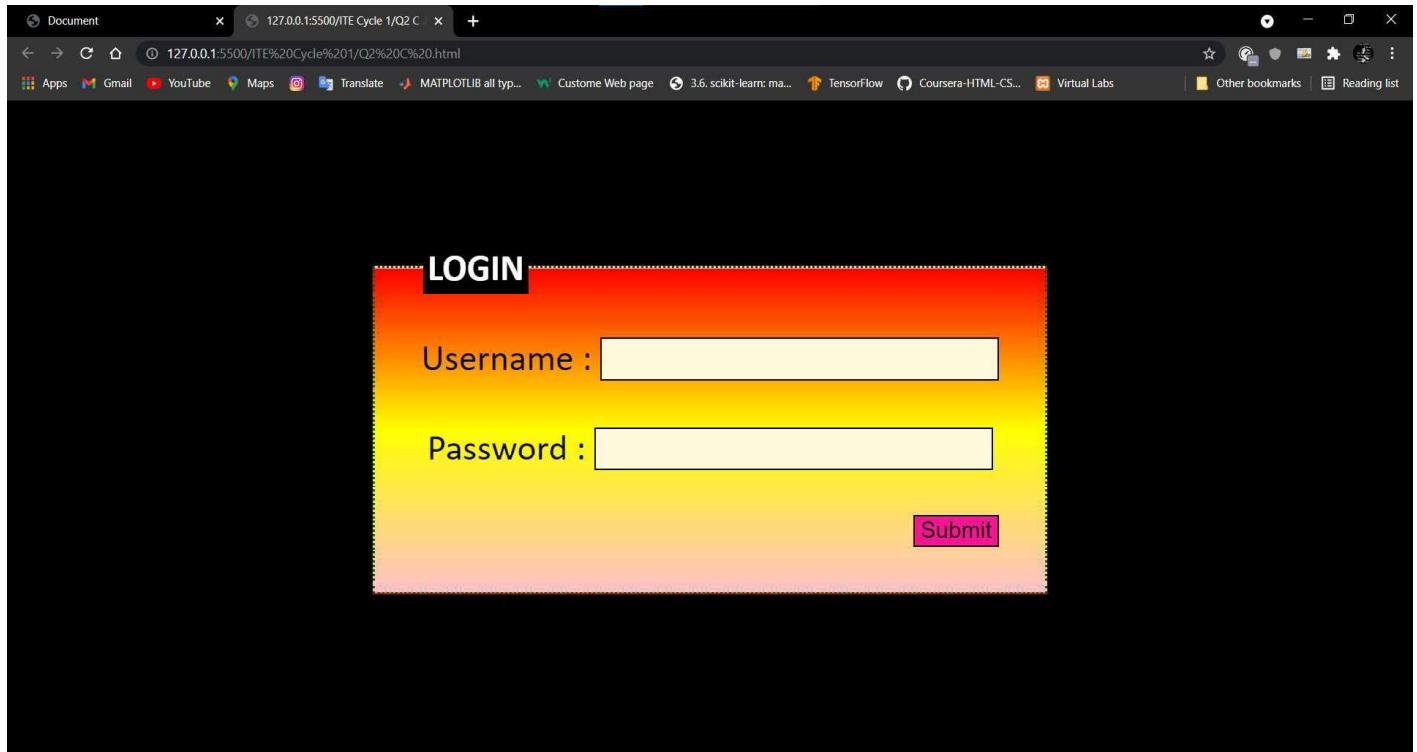
input {height: fit-content;
    border: 2px solid black;
    background-color: cornsilk;
    font-size: 35px;
}

</style>
</head>

<body>
```

```
<center>
  <fieldset>
    <legend><b style="background-
color: black;color: white;padding: 5px;">LOGIN</b></legend>
    Username : <input type="text"><br><br>
    Password : <input type="password"><br><br>
    <input type="submit" value="Submit">
  </fieldset>
</center>
</body>
</html>
```

2. OUTPUT



RESULT

Thus the designing using HTML forms was implemented and executed successfully.

3. Multimedia Application using HTML5

Exp.No. : 3

Date 19/04/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Multimedia Application using HTML5.

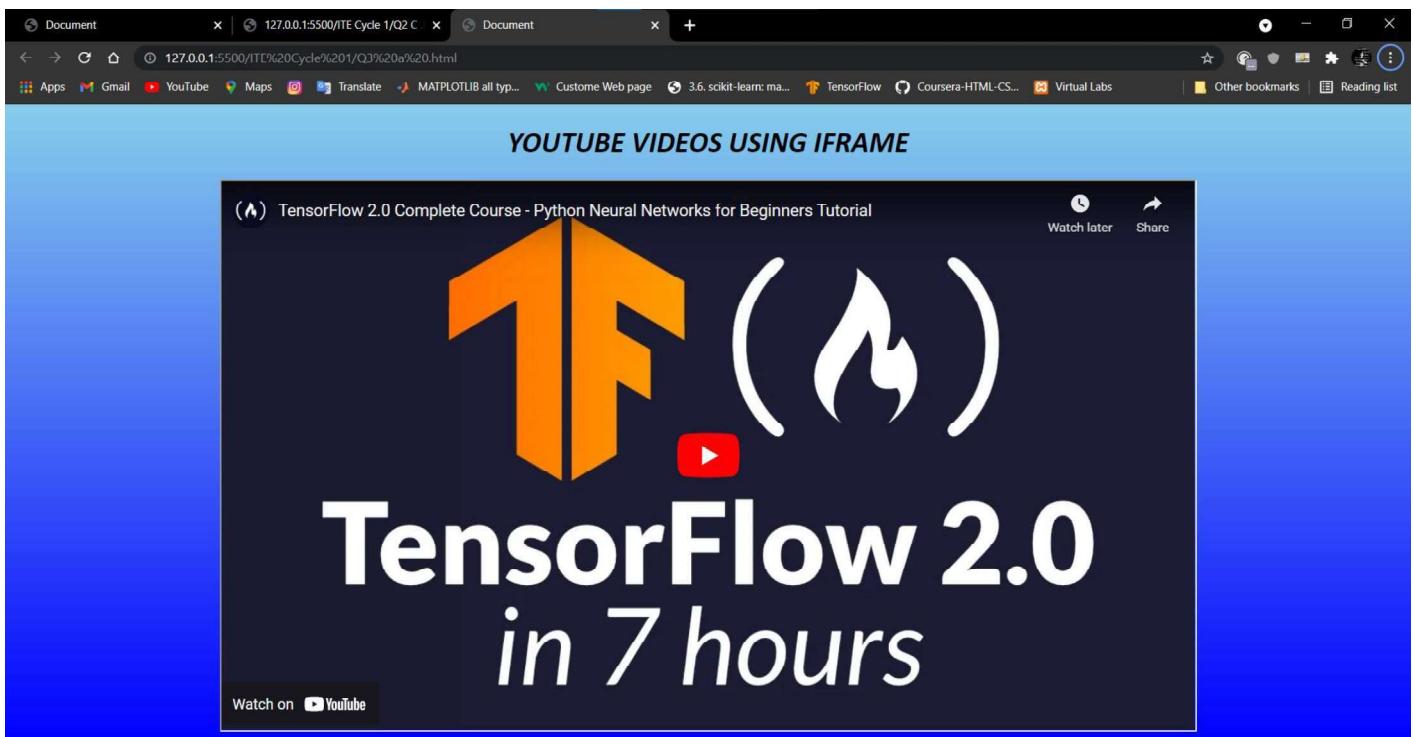
I. EXAMPLE OF MULTIMEDIA APPLICATION USING HTML5:

(USING HTML5 MULTIMEDIA TAGS, <iframe></iframe>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        body {text-align: center;
            background-image: repeating-linear-gradient(skyblue,blue);}
    </style>
</head>
<body>
    <h1><i><b>YOUTUBE VIDEOS USING IFRAME</b></i></h1>
    <iframe src="https://www.youtube.com/embed/tPYj3fFJGjk" width="70%" height="600px"
></iframe>
</body>
</html>
```

2. OUTPUT



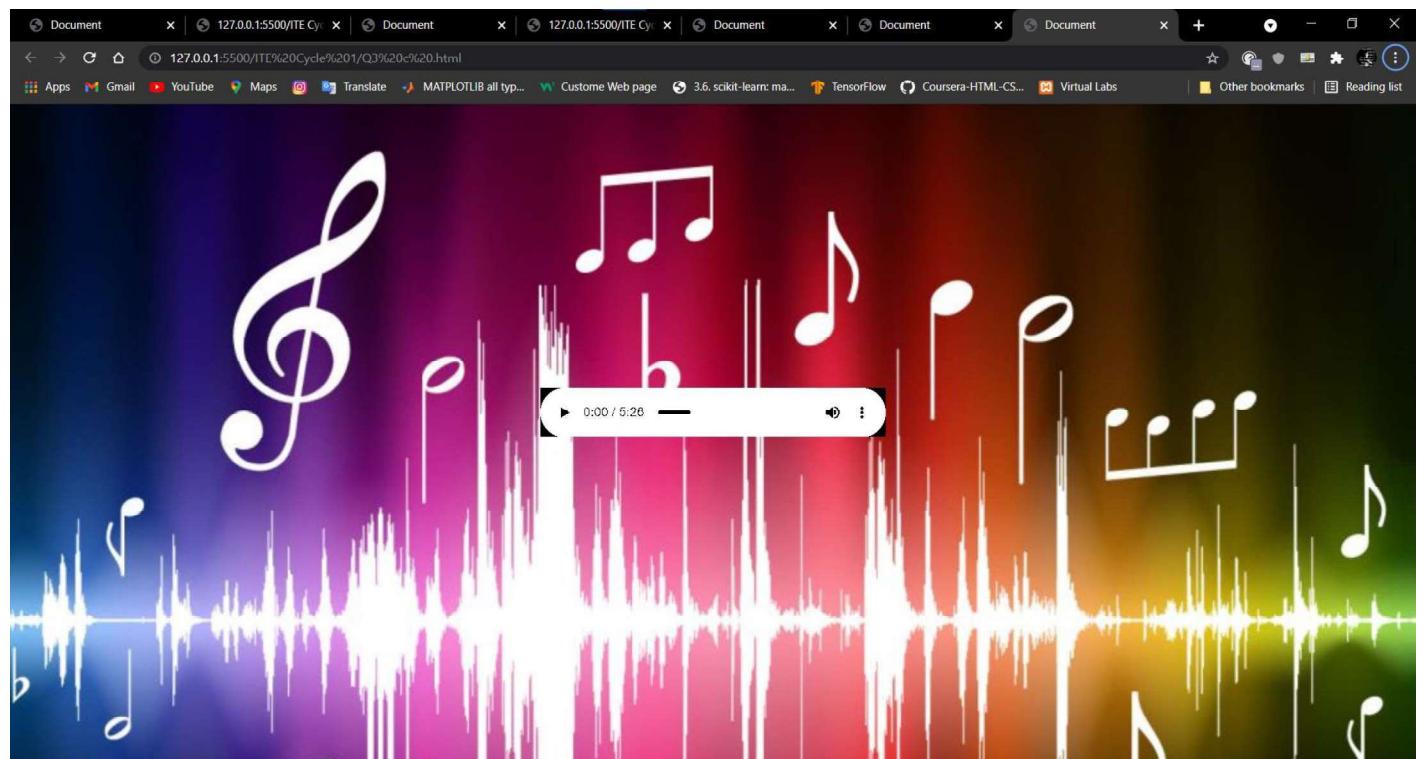
II. EXAMPLE OF MULTIMEDIA APPLICATION USING HTML5:

(USING HTML5 MULTIMEDIA TAGS, <audio></audio>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
    <style>
        audio {
            background-color: black;
            width: 10cm;
            margin-top: 8cm;
        }
        div {
            display: flex; justify-content: center;
        }
        body {
            background-image: url("MUSIC.jpg");
            background-repeat: no-repeat;
            background-size: cover;
            filter: contrast(100);
        }
    </style>
</head>
<body>
    <div>
        <audio controls>
            <source src="Engeyo-Partha.mp3" type="audio/mp3">
        </audio>
    </div>
</body>
</html>
```

2. OUTPUT



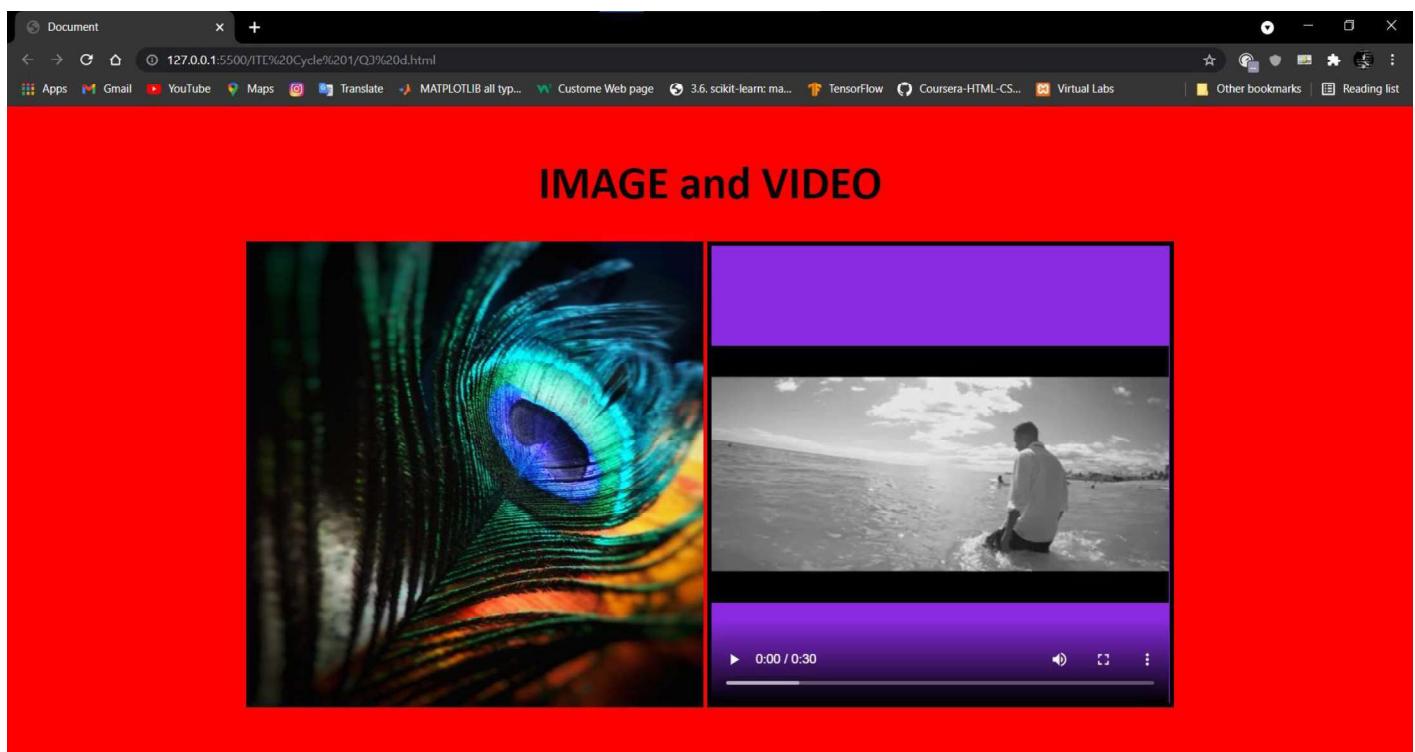
III. EXAMPLE OF MULTIMEDIA APPLICATION USING HTML5:

(USING HTML5 MULTIMEDIA TAGS, <video></video>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        h1 {text-align: center; font-size: 50px;}
        body {
            background-color: red;
            display: inline;
        }
        video {border: 5px solid black;
            background-color: blueviolet;}
    </style>
</head>
<body>
    <center>
        <h1>IMAGE and VIDEO</h1>
        
        <video id="video" controls loop autoplay width="500px" height="500px">
            <source src="Hwave.mp4" type="video/mp4">
        </video>
    </center>
</body>
</html>
```

2. OUTPUT



RESULT

Thus the Multimedia Application using HTML5 was implemented and executed successfully.

4. Inline and Internal CSS

Exp.No. : 4

Date 28/04/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Inline and Internal CSS.

I. EXAMPLE OF INLINE AND INTERNAL CSS:

(USING `<style></style>` and inline CSS)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">

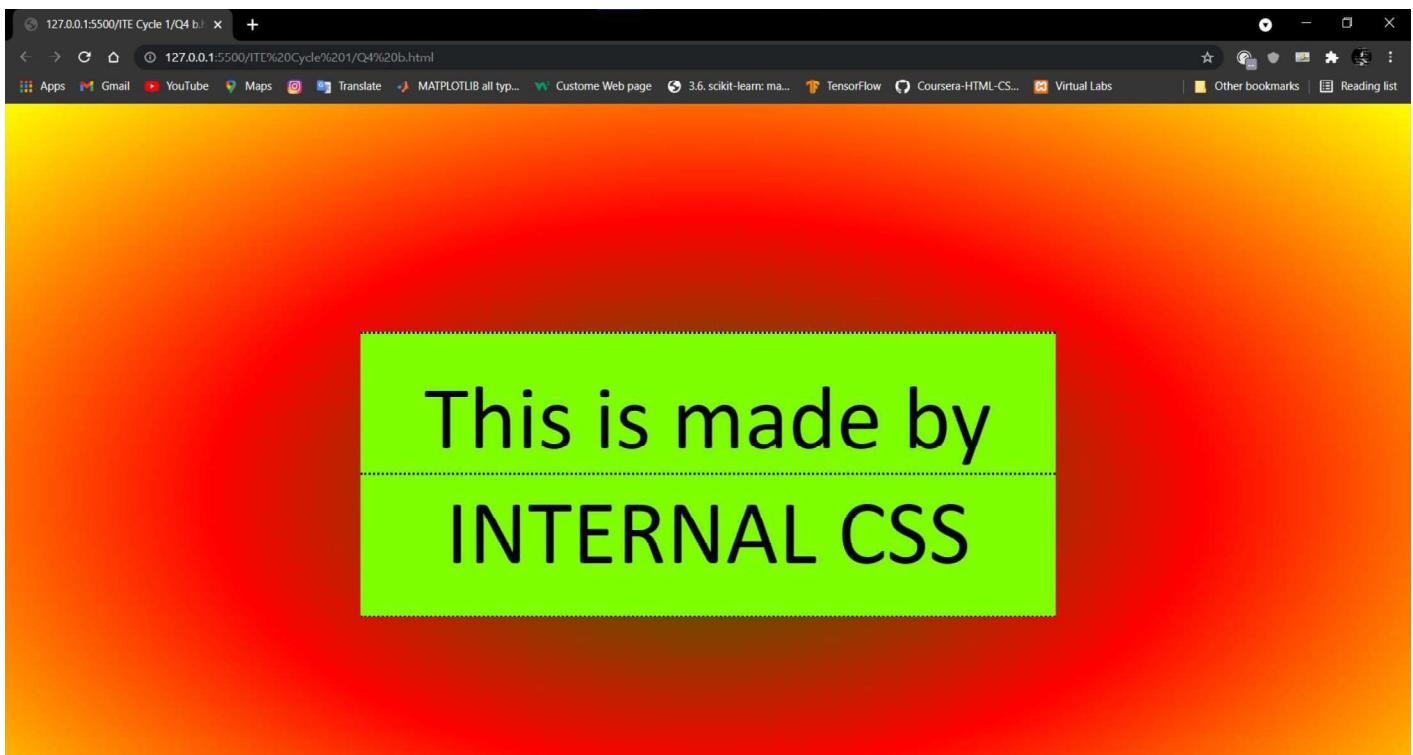
<head>
<style>
body {
    background-image: repeating-radial-gradient(green,red,yellow);
    background-repeat: no-repeat;
    background-size: 100% 150%;
    text-align:center ;
    font-size: 100px;
    margin-top: 250px;
}

div {
    background-color: chartreuse;
    border-block-start-style:dotted;
    width: 50%;
    position: relative;
    left: 25%;
}
```

```
</style>
</head>
<body>
<!--INLINE AND INTERNAL CSS -->
<div style="padding:30px 0px 0px 0px;">This is made by </div>
<div style="padding:0px 0px 30px 0px;">INTERNAL CSS</div>

</body>
</html>
```

2. OUTPUT



II. EXAMPLE OF INLINE AND INTERNAL CSS:

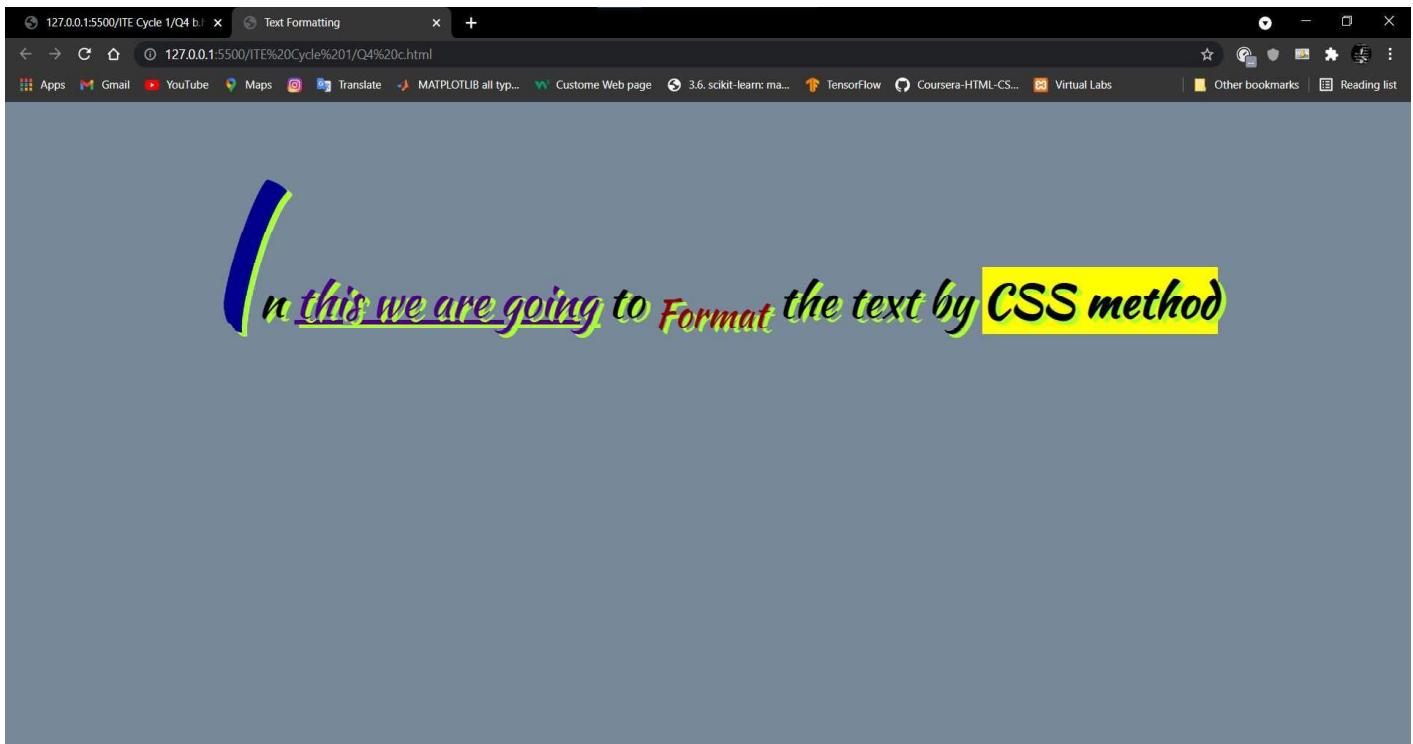
(USING `<style></style>` and inline CSS)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Text Formatting</title>
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link href="https://fonts.googleapis.com/css2?family=Kaushan+Script&display=swap" rel="stylesheet">

    <style>
        #a {font-family: "Kaushan Script";}
        div::first-letter {font-size: 210px;color: darkblue;}
        div {text-shadow:5px 4px greenyellow;}
        u {color: indigo;}
    </style>
</head>
<body style="font-size: 50px;text-align: center;background-color:lightslategrey;">
    <div id="a">In <u>this we are going</u> to <sub style="color: darkred;">Format</sub> the text by <mark><b>CSS method</b></mark></div>
</body>
</html>
```

2. OUTPUT



RESULT

Thus the Inline and Internal CSS was implemented and executed successfully

5. External CSS

Exp.No. : 5

Date 10/05/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with external CSS.

I. EXAMPLE OF EXTERNAL CSS:

(USING <link rel="" href="">)

1. SOURCE CODE

HTML FILE:

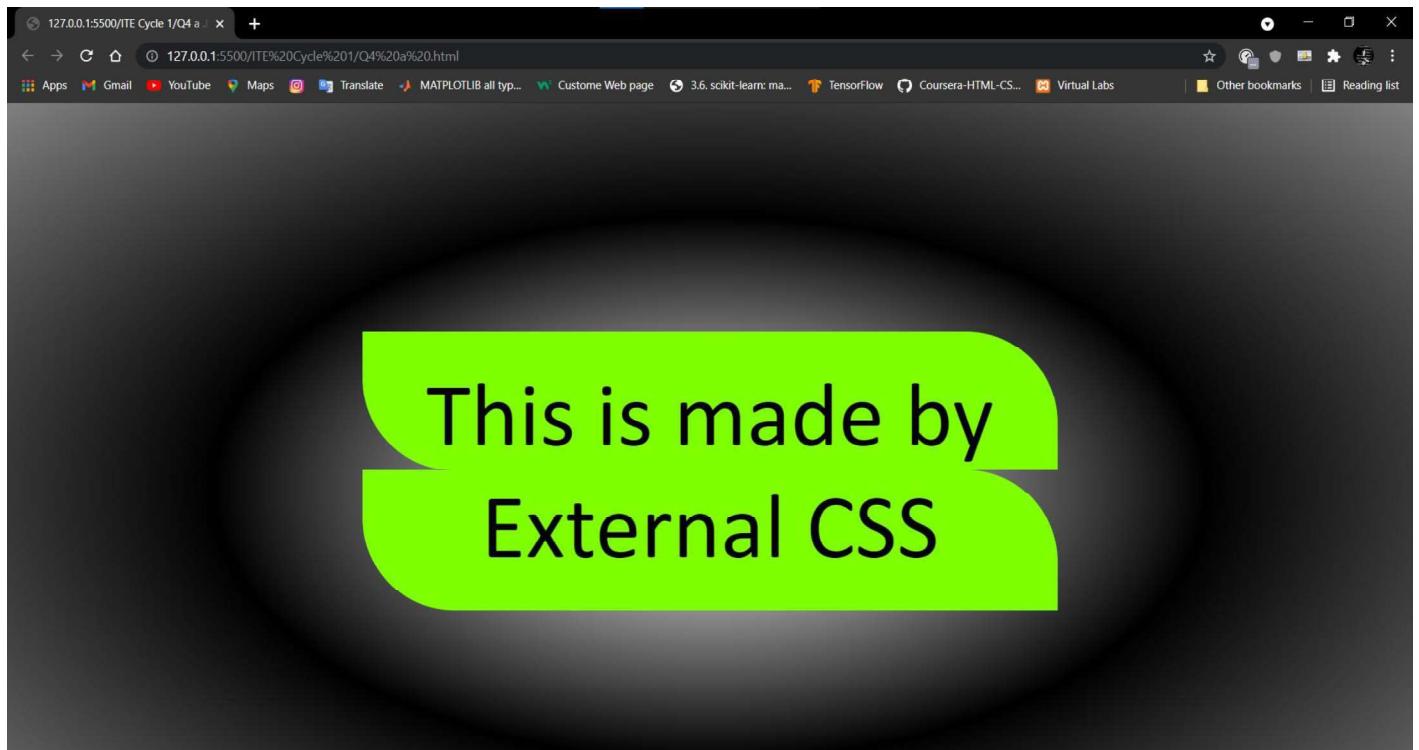
```
<!DOCTYPE html>
<html lang="en">
<head>
</head>
<link rel="stylesheet" href="style.css">
<body>
    <div id="line1">This is made by </div>
    <div id="line2">External CSS</div>
</body>
</html>
```

EXTERNAL CSS FILE:

```
body {
    background-image: radial-gradient(white,black,gray);
    background-repeat: no-repeat;
    background-size: 100% 150%;
    text-align:center ;
    font-size: 100px;
```

```
margin-top: 250px;  
}  
  
div {  
background-color: chartreuse;  
border-start-end-radius: 100px;  
border-end-start-radius: 100px;  
width: 50%;  
position: relative;  
left: 25%;  
}  
#line1 {padding:30px 0px 0px 0px;}  
#line2 {padding:0px 0px 30px 0px;}
```

2. OUTPUT



II. EXAMPLE OF EXTERNAL CSS:

(USING <link rel="" href="">)

1. SOURCE CODE

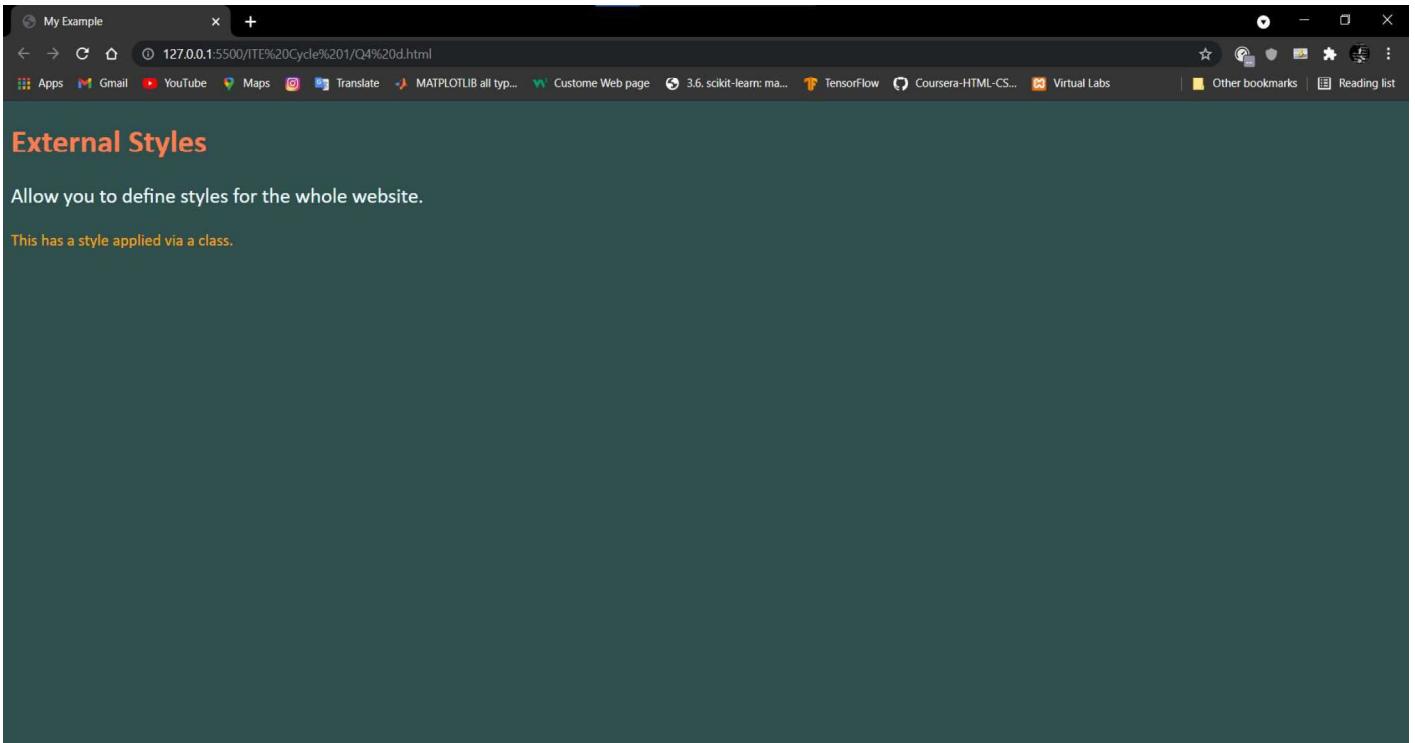
HTML FILE:

```
<!DOCTYPE html>
<html>
  <head>
    <title>My Example</title>
    <link rel="stylesheet" href="styl.css">
  </head>
  <body>
    <h1>External Styles</h1>
    <p id="intro">Allow you to define styles for the whole website.</p>
    <p class="colorful">This has a style applied via a class.</p>
  </body>
</html>
```

EXTERNAL CSS FILE

```
body {
  background-color: darkslategrey;
  color: azure;
  font-size: 1.1em;
}
h1 {
  color: coral;
}
#intro {
  font-size: 1.3em;
}
.colorful {
  color: orange;
}
```

2. OUTPUT



RESULT

Thus the External CSS was implemented and executed successfully

6. Java Script Introduction – Hello World

Exp.No. : 6

Date 17/05/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Java Script Introduction – Hello World.

I. EXAMPLE OF JAVA SCRIPT INTRODUCTION:

(USING <script></script>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>HELLO WORLD</title>
    <style>
        h1{
            font-size: 50px;
            color: yellow;
        }
        #context{
            color: black;
            background-color: white;
            padding: 30px;
            font-size: 40px;
            font-weight: 900;
            width: max-content;
        }
    </style>
</head>
<body bgcolor="black">
```

```
<center>
    <h1>You can view the Hello world by opening the console of the browser</h
1>

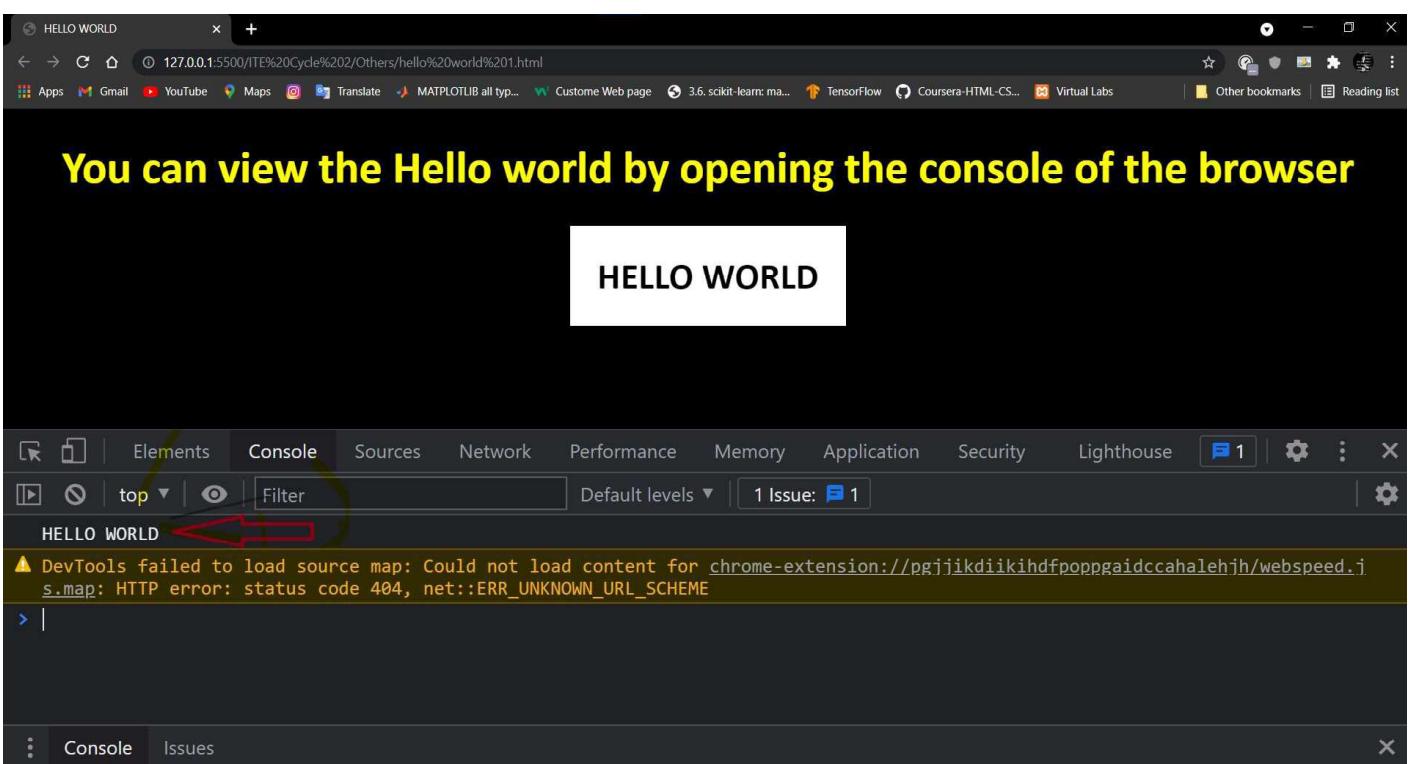
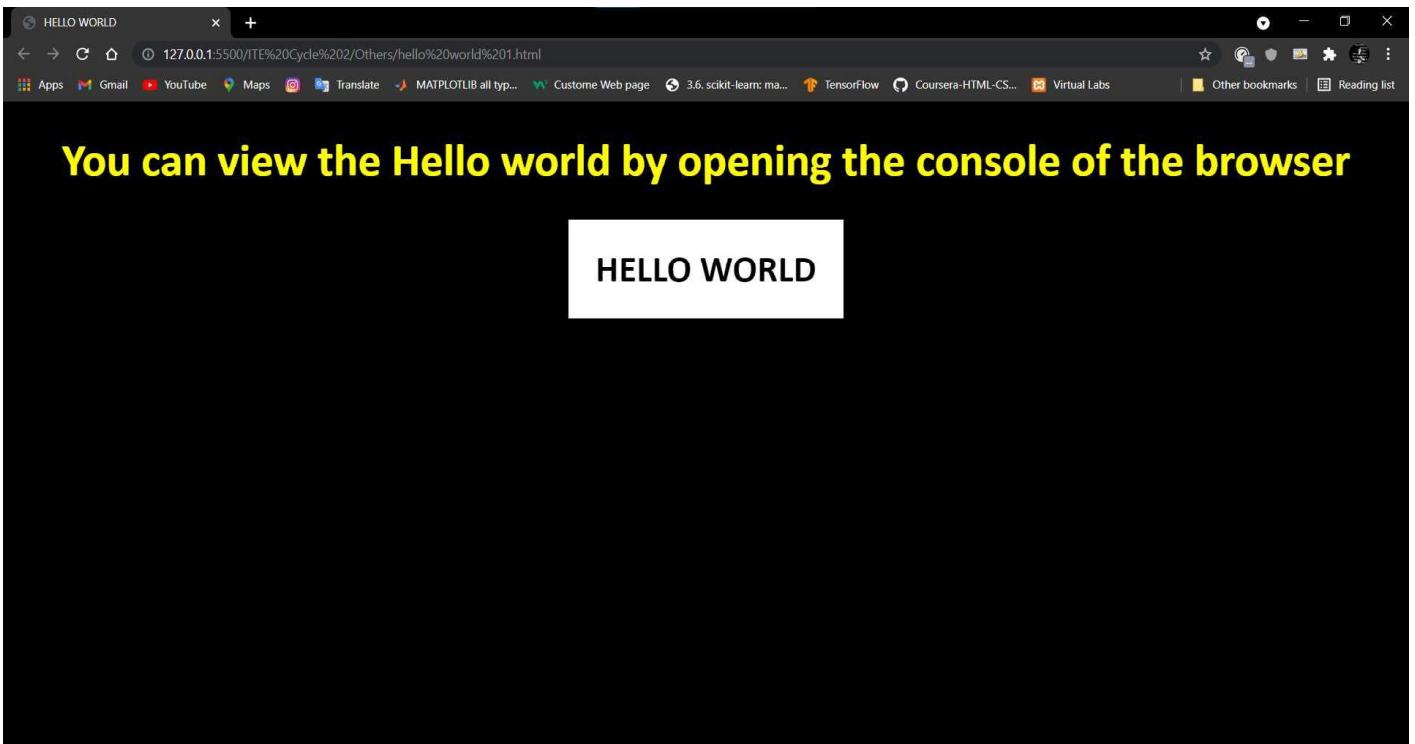
    <div id="context"></div>
</center>

<script>
    var text = "HELLO WORLD";
    document.getElementById("context").innerHTML = text;

    //in console

    console.log(text);
</script>
</body>
</html>
```

2. OUTPUT



II. EXAMPLE OF JAVA SCRIPT INTRODUCTION:

(USING <script></script>)

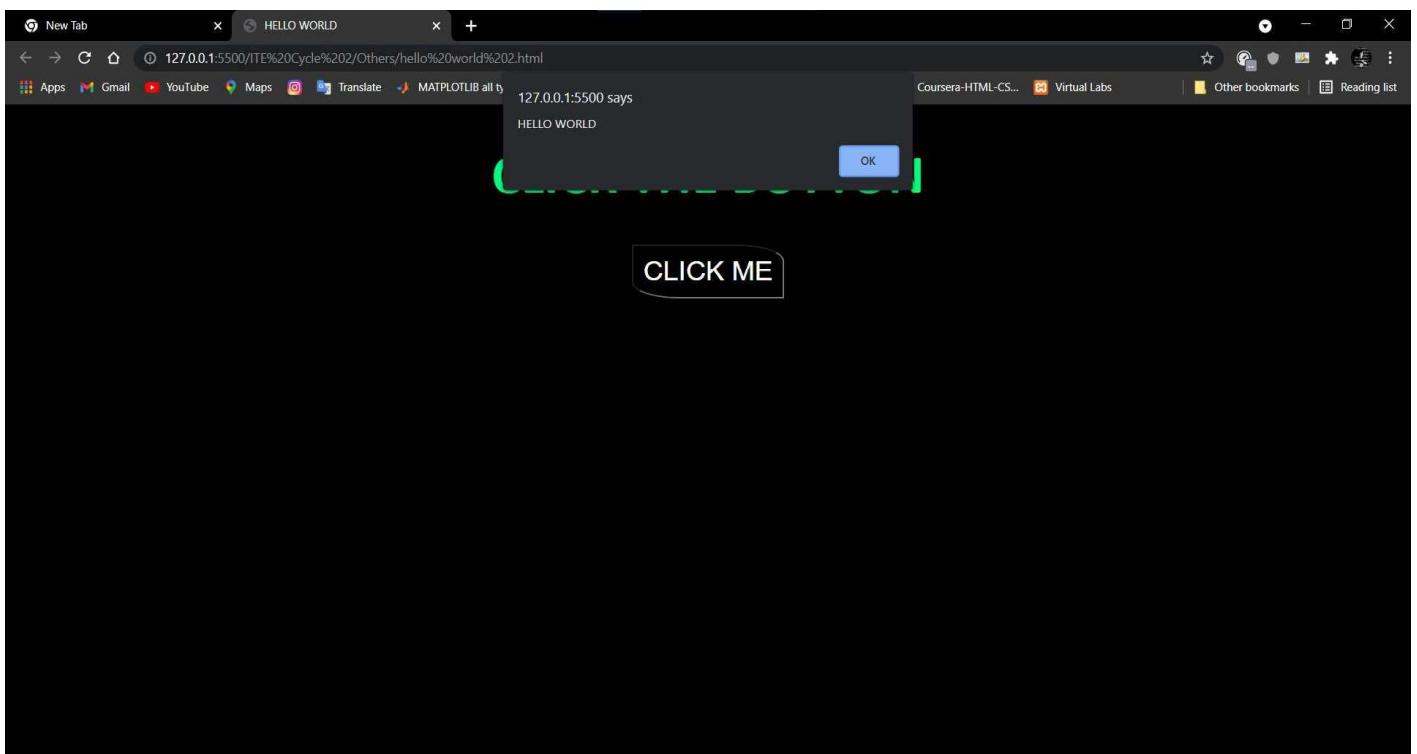
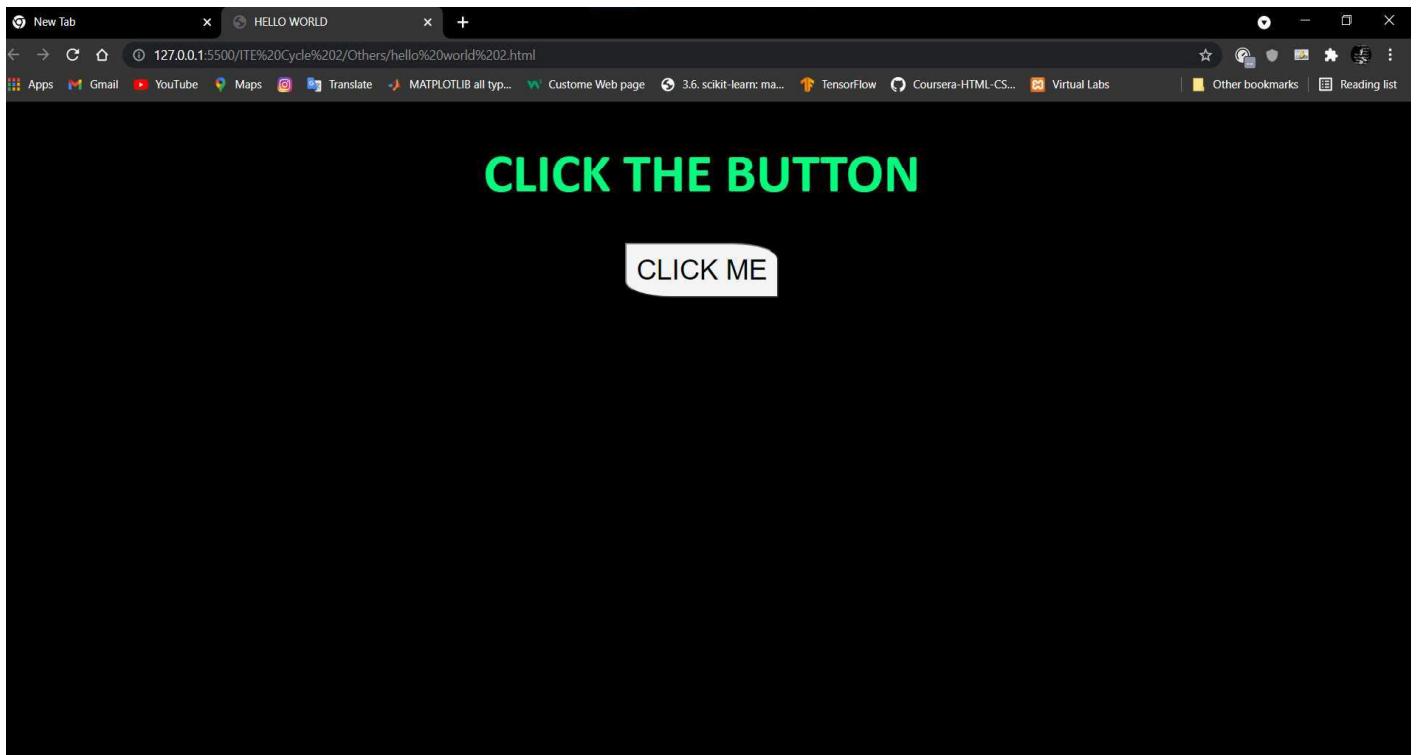
1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>HELLO WORLD</title>
    <style>
        h1 {
            font-size: 60px;
            color: springgreen;
        }
        button {
            padding: 10px;
            font-size: 30px;
            background-color: whitesmoke;
            border-radius: 0 30%;
        }
        button:hover{
            background-color: black;
            color: white;
        }
    </style>
</head>
<body bgcolor="black">
    <center>
        <h1>CLICK THE BUTTON</h1>
        <button onclick="Open()">CLICK ME</button>
    </center>

    <script>
```

```
function Open() {  
    alert("HELLO WORLD")  
}  
</script>  
</body>  
</html>
```

2. OUTPUT



RESULT

Thus the Java Script Introduction – Hello World was implemented and executed successfully

7. Variables and Functions in Java Script

Exp.No. : 7

Date 04/06/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Variables and Functions in Java Script.

I. EXAMPLE OF VARIABLES AND FUNCTIONS IN JAVASCRIPT:

(USING <script></script>)

1. SOURCE CODE

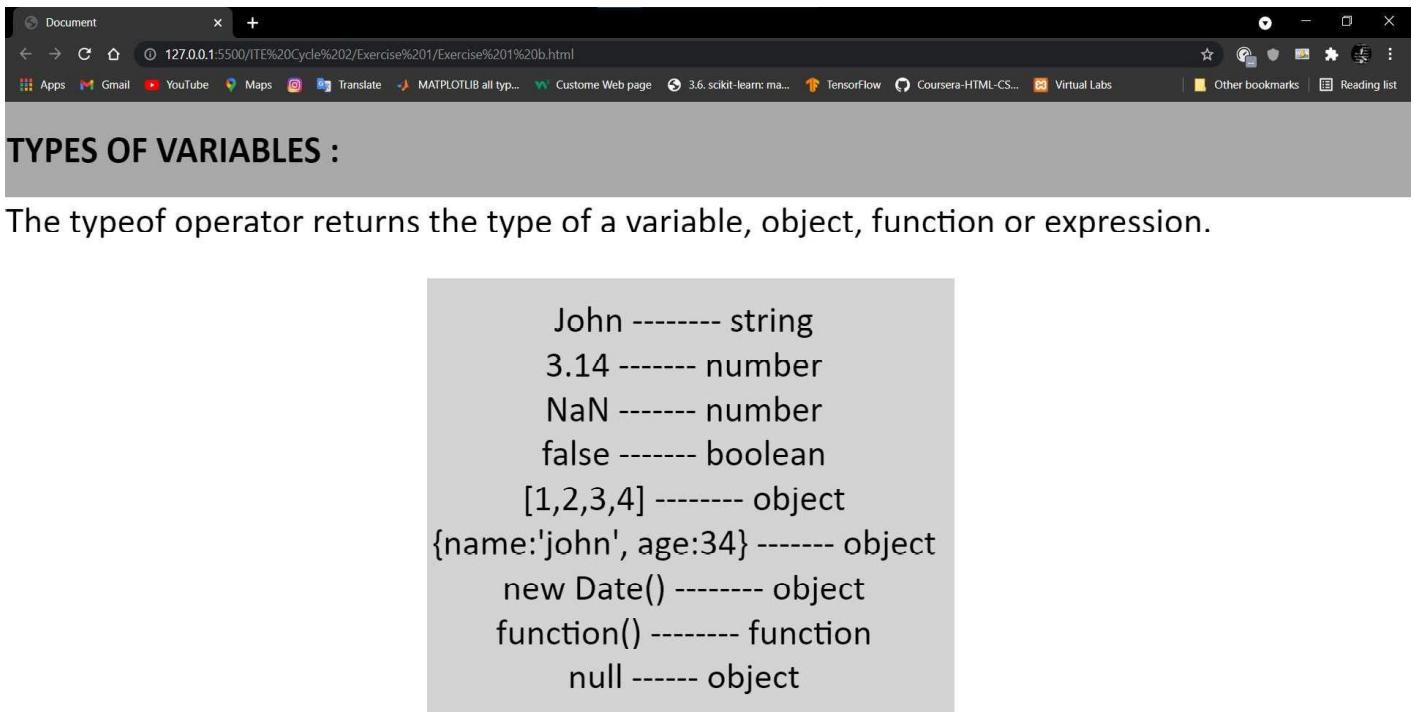
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        body {
            margin: 0%;
        }
        header {
            background-color: darkgrey;
            margin: 0%;
            padding: 1px;
            font-size: 20px;
        }
        p{
            font-size: 40px;
            margin-top: 0%;
        }
    </style>
</head>
<body>
    <header>
        <h1>Welcome to my website</h1>
    </header>
    <p>This is my first website.</p>
</body>
</html>
```

```

#demo {
    background-color: lightgray;
    width: max-content ;
    padding: 20px 20px 20px 5px;
    position: relative;
    text-align: center;
}
.container {
    text-align: center;
    position: relative;
    width: min-content;
    left: 30%;
}
</style>
</head>
<body>
<Header><h1>TYPES OF VARIABLES : </h1></Header>
<p>The typeof operator returns the type of a variable, object, function or expression.</p>
<div class="container"><p id="demo"></p></div>
<script>
    document.getElementById("demo").innerHTML = "John ----- "+
        typeof "john" + "<br>" +"3.14 ----- "+
        typeof 3.14 + "<br>" +"NaN ----- "+
        typeof NaN + "<br>" +"false ----- "+
        typeof false + "<br>" +"[1,2,3,4] ----- "+
        typeof [1,2,3,4] + "<br>" +"{name:'john', age:34} ----- "+
        typeof {name:'john', age:34} + "<br>" +"new Date() ----- "+
        typeof new Date() + "<br>" +"function() ----- "+
        typeof function () {} + "<br>" +"null ----- "+
        typeof null;
</script>
</body>
</html>

```

2. OUTPUT



The screenshot shows a web browser window with the URL 127.0.0.1:5500/ITE%20Cycle%202/Exercise%201/Exercise%201%20b.html. The page content is titled "TYPES OF VARIABLES :" and contains the following text:

```
John ----- string
3.14 ----- number
NaN ----- number
false ----- boolean
[1,2,3,4] ----- object
{name:'john', age:34} ----- object
new Date() ----- object
function() ----- function
null ----- object
```

II. EXAMPLE OF VARIABLES AND FUNCTIONS IN JAVASCRIPT:

(USING <script></script>)

1. SOURCE CODE

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Exercise : 2</title>
    <style>

        h1 {
            text-align: center;
            color: red;
        }

        form {
            background-color: silver;
            padding: 15px;
            border: 5px dashed green;
            width: fit-content;
            position: relative;
            left: 30%;
            font-size: 30px;
        }

        input,textarea {
            background-color: black;
            color: white;
        }

        textarea {
            font-size: 30px;
        }
    </style>
</head>
<body>
    <h1>Hello World</h1>
    <form>
        <input type="text" placeholder="Enter Name" />
        <input type="button" value="Submit" />
    </form>
</body>
</html>
```

```

        }

        input[type="text"] {
            width: 350px;
            height: 35px;
            font-size: 30px;
        }

        input[type="submit"]{
            float: right;
            font-size: 25px;
            padding: 5px;
            background-color: orange;
            color: darkblue;
        }

        span{
            color: black;
        }
    
```

</style>

</head>

<body bgcolor="#ffabff">

<h1>Variables can be written as
 var variable = "";</h1>

<h1>In this exercise, If you enter a input then the output will be the type of the input with few datatypes : </h1>

```

        <form action="#" name="form" onsubmit="Zen()">

            <label for="input">INPUT : </label>
            <input type="text" name="input">
            <br><br>
            <input type="submit" value="Submit">
            <br>
            OUTPUT : <br>
            <textarea name="output" id="output" cols="40" rows="2"></textarea>
        </form>
    
```

```
<script>
    window.stop(); //to stop refreshing
    Zen = () => {
        var inp = form.input.value;
        const num = /[0-9]/g;
        const alpha = /[a-zA-Z]/g;

        if (num.test(inp)) {
            form.output.value = "Type of the input is = "+typeof(Number(inp));
        }

        else if (alpha.test(inp)) {
            if ((inp.toLowerCase() == "true") || (inp.toLowerCase() == "false")) {
                form.output.value = "Type of the input is = Boolean";
            }
            else {
                form.output.value = "Type of the input is = "+typeof(inp.toLowerCase());
            }
        }

        else {
            form.output.value = "Please enter the correct input";
        }
    }
</script>
</body>
</html>
```

2. OUTPUT

The screenshot shows a web browser window titled "Exercise : 2". The URL is 127.0.0.1:5500/ITE%20Cycle%202/Exercise%201/Exercise%201%20a.html?input=Hello&output=Type+of+the+input+is+string#. The page content includes the text "Variables can be written as" and the code "var variable = "";" followed by instructions: "In this exercise, If you enter a input then the output will be the type of the input with few datatypes :" Below this are two input fields: "INPUT:" with a black placeholder and "OUTPUT:" with a black placeholder. A green dashed border surrounds these fields. To the right of the "OUTPUT:" field is a yellow "Submit" button.

The screenshot shows the same web browser window after inputting "RAHUL" into the "INPUT:" field. The "OUTPUT:" field now displays the text "Type of the input is = string". The "Submit" button remains visible to the right of the "OUTPUT:" field.

III. EXAMPLE OF VARIABLES AND FUNCTIONS IN JAVASCRIPT:

(USING <script></script>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Exercise 3</title>

    <style>
        body {
            background-color: maroon;
        }
        #circle{
            border-radius: 50%;
            width: 200px;
            height: 200px;
            background-color: black;
            background-image: radial-gradient(black,grey,black);
        }
        #square{
            width: 200px;
            height: 200px;
            background-color: black;
            display: none;
            background-image: linear-gradient(black,yellow,lightgreen,black);
        }

        #triangle{
            width: 0px;
            height: 0px;
            border-bottom: 200px solid yellowgreen;
            border-left: 100px solid transparent;
            border-right: 100px solid transparent;
        }
    </style>
</head>
<body>
    <div id="circle"></div>
    <div id="square"></div>
    <div id="triangle"></div>
</body>
</html>
```

```

        display: none;
    }
.c,.t,.s {
    background-color: darkblue;
    color: white;
    padding: 20px;
    font-size: 35px;
}

button:hover {
    background-color: mediumaquamarine;
    color: black;
}

</style>
</head>
<body>
<center><h1 style="color: darkgray;text-
shadow: 2px 2px yellow;">FUNCTION 1</h1>
<hr><hr>
<button name="circle" class="c" onclick="circle()">CIRCLE</button>
<button name="square" class="s" onclick="square()">SQUARE</button>
<button name="triangle" class="t" onclick="triangle()">TRIANGLE</button>
<br><hr><hr><br>
<br><br><br><br><br>
<p>
    <p id="circle"></p>
    <p id="square"></p>
    <p id="triangle"></p>
</p>
</center>

<script>
    function circle() {

```

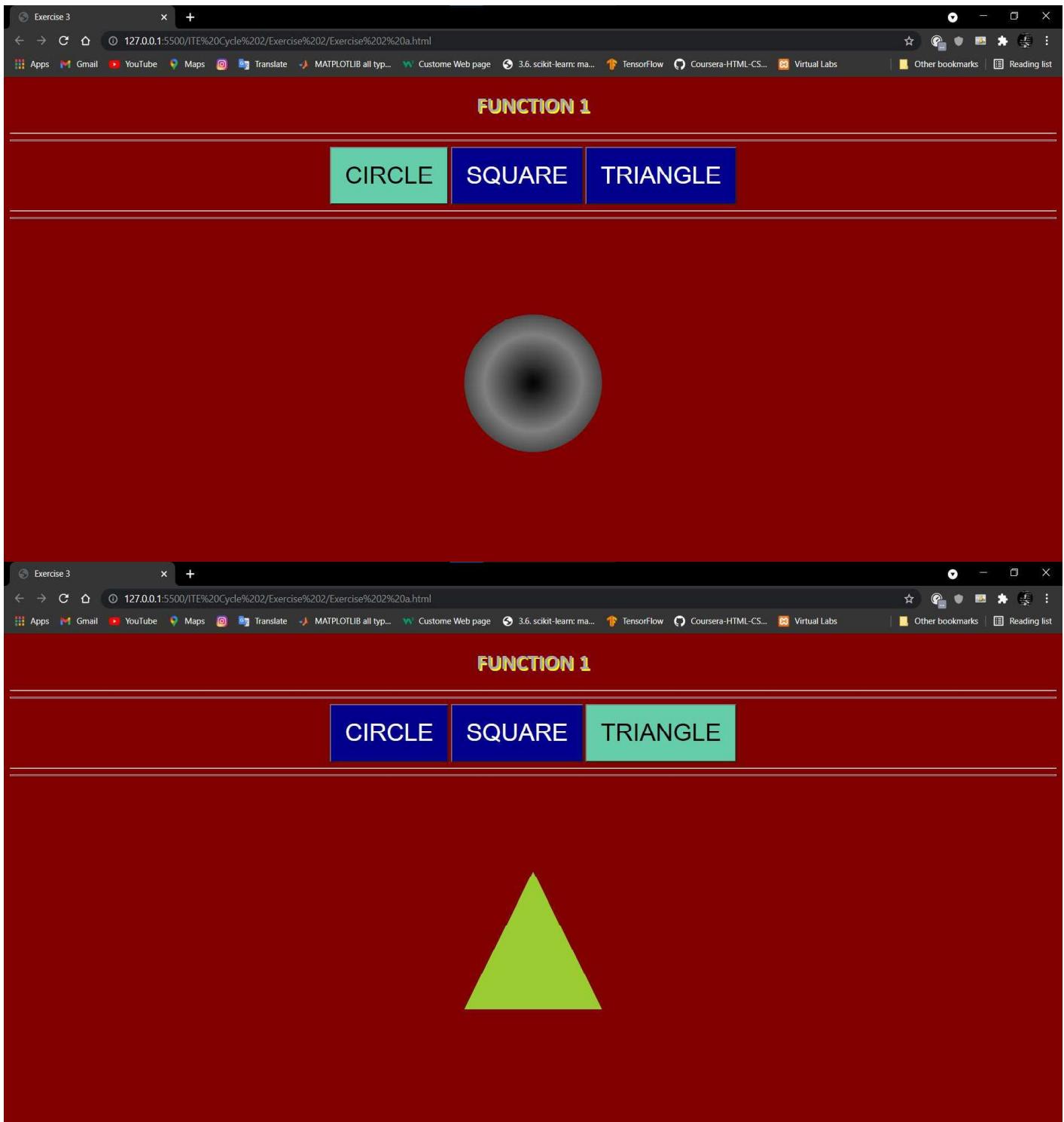
```
document.getElementById("circle").style.display="block";
document.getElementById("square").style.display="none";
document.getElementById("triangle").style.display="none";
}

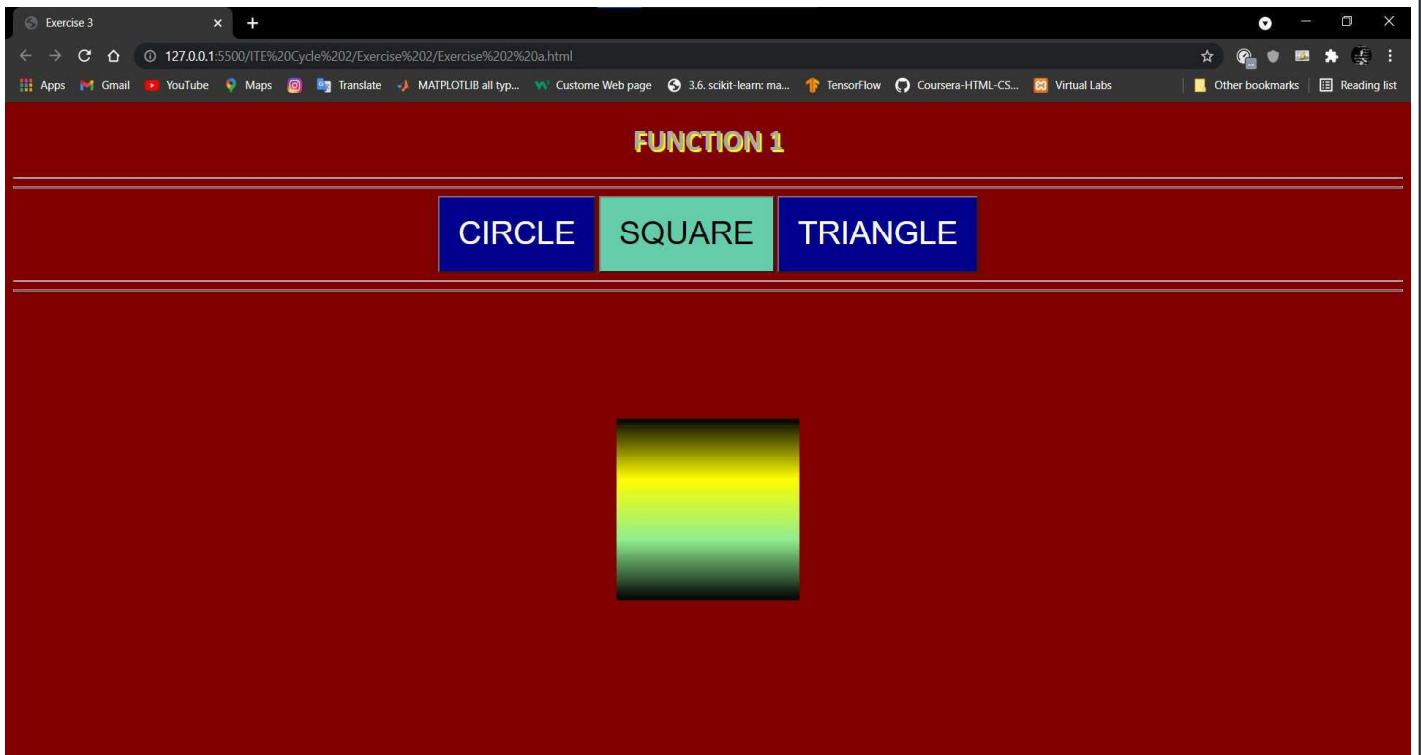
function square() {
    document.getElementById("circle").style.display="none";
    document.getElementById("square").style.display="block";
    document.getElementById("triangle").style.display="none";
}

function triangle() {
    document.getElementById("circle").style.display="none";
    document.getElementById("square").style.display="none";
    document.getElementById("triangle").style.display="block";
}

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

2. OUTPUT





RESULT

Thus the Variables and Functions in Java Script was implemented and executed successfully

8. Control Flow Statements in Java Script

Exp.No. : 8

Date 07/06/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Control Flow Statements in Java Script

I. EXAMPLE OF CONTROL FLOW STATEMENTS IN JAVA SCRIPT:

(USING <script></script> with if block)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>CONTROL STATEMENT</title>
    <style>
        h1{
            font-size: 50px;
        }
        input {
            font-size: 40px;
            padding: 10px;
            font-weight: bold;
            background-color: black;
            color: white;
        }

        button {
            padding: 15px;
            font-size: 30px;
            background-color: orange;
        }
    </style>

```

```
}

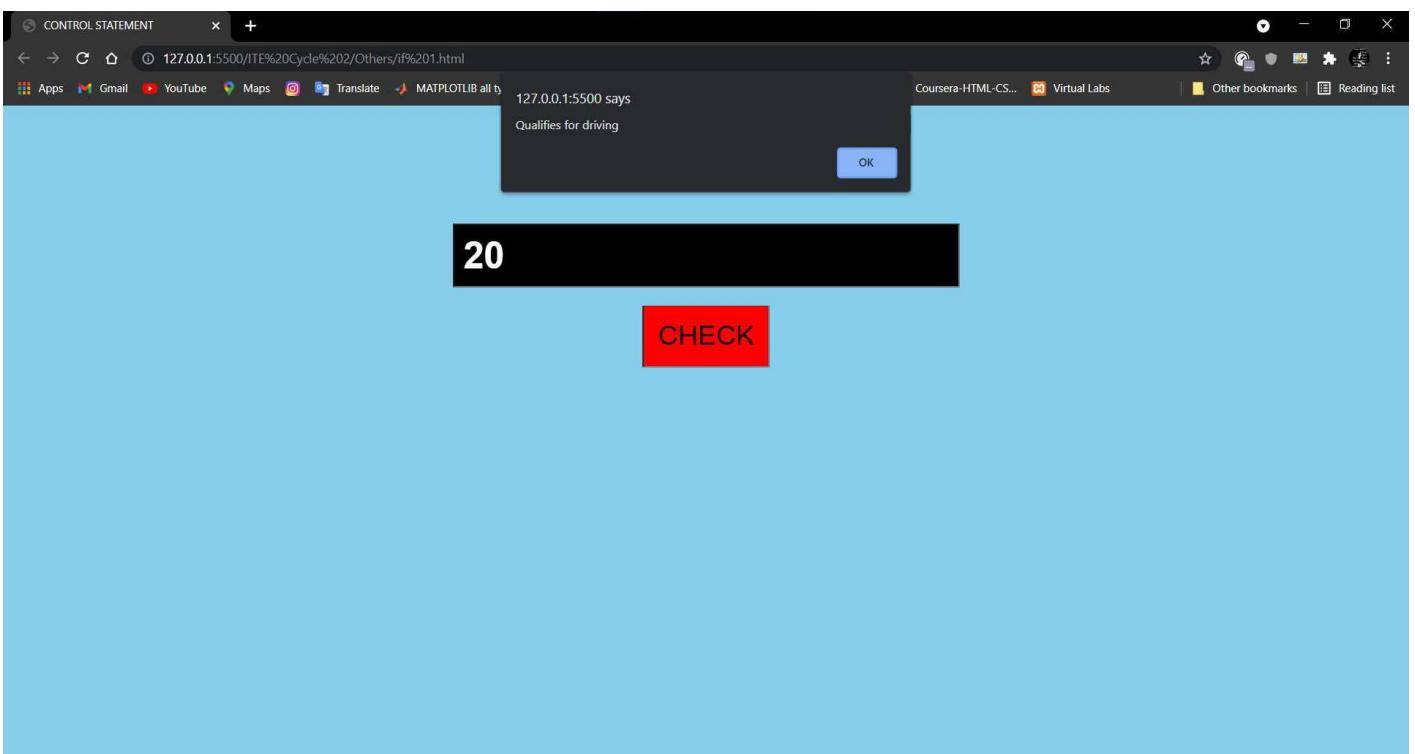
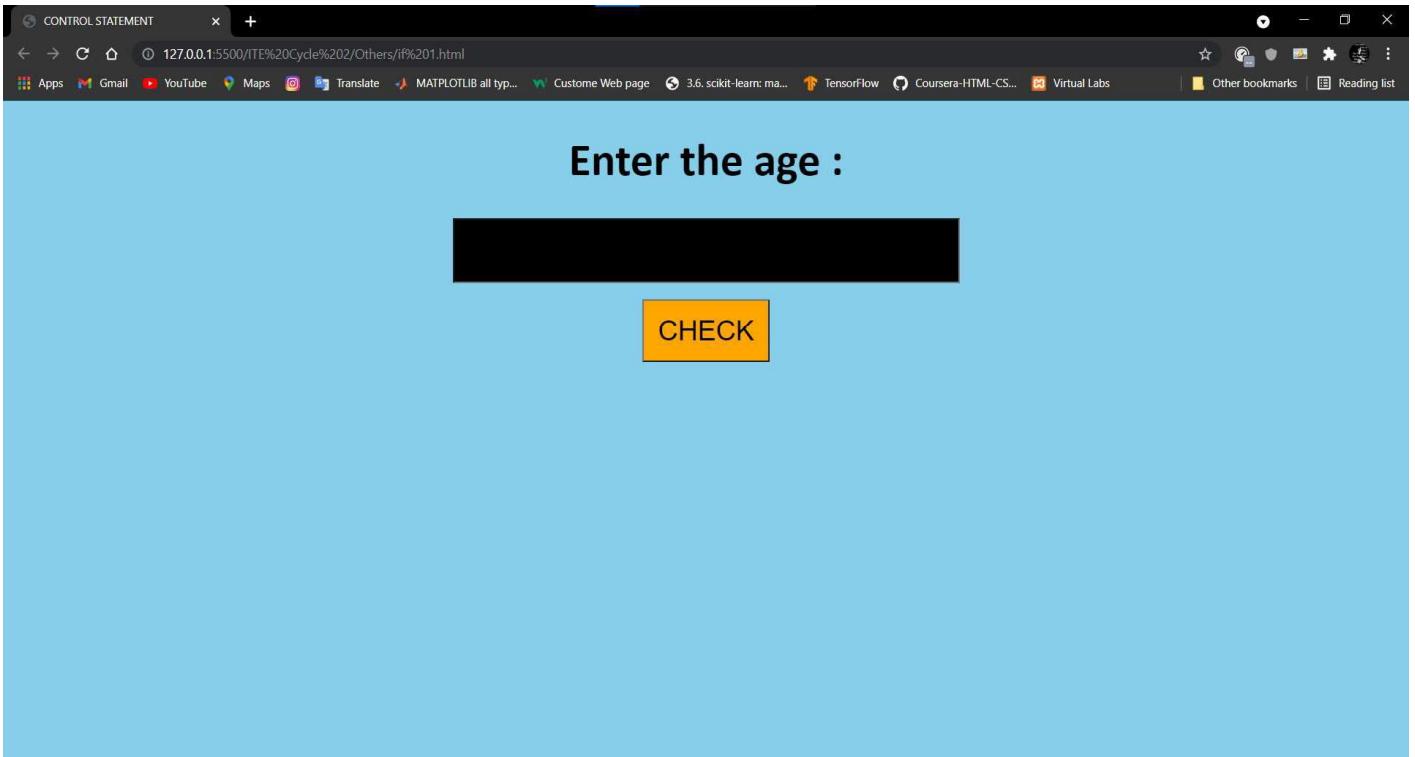
button:hover {
    background-color: red;
}

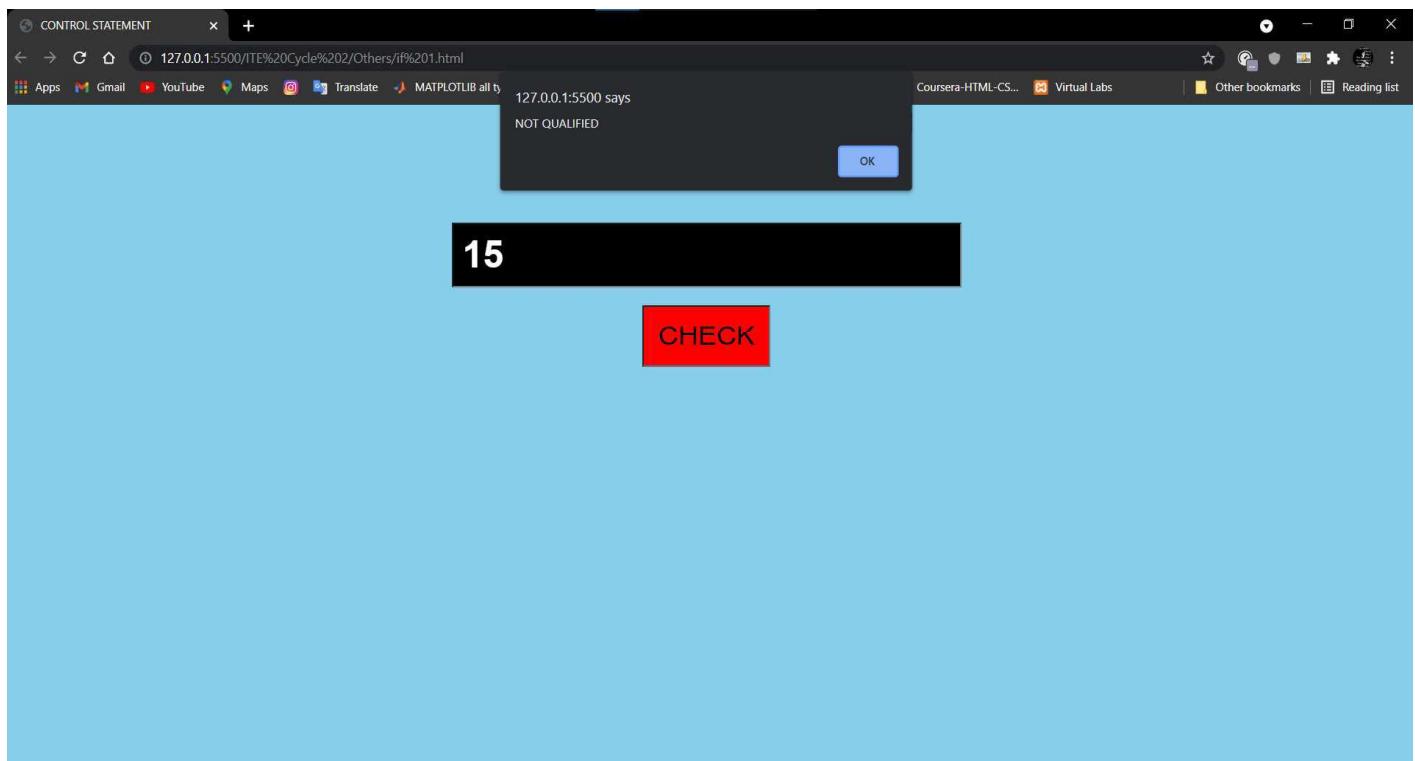
</style>
</head>
<body bgcolor="skyblue">
<center>
    <h1>Enter the age : </h1>
    <input type="number" name="age" id="age">
    <br><br>
    <button id="button" onclick="AGE()">CHECK</button>
</center>

<script>

function AGE() {
    var age = Number(document.getElementById("age").value);
    if((age) > 18 ) {
        alert("Qualifies for driving");
    }
    else {
        alert("NOT QUALIFIED");
    }
}
</script>
</body>
</html>
```

2. OUTPUT





II. EXAMPLE OF CONTROL FLOW STATEMENTS IN JAVA SCRIPT:

(USING <script></script> with if block)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>SWITCH CASE</title>
<style>
h1{
    font-size: 60px;
    color: saddlebrown;
}
input {
    background-color: mistyrose;
    font-size: 40px;
}
button {
    background-color: gray;
    padding: 10px;
    font-size: 25px;
    font-weight: bolder;
}
button:hover {
    background-color: white;
}
#output {
    color: rebeccapurple;
    font-size: 40px;
}
</style>
</head>
<body bgcolor="wheat">
<center>
<h1><b><u>SWITCH CASE</u></b></h1>
```

```
<h2 style="font-size: 45px;">ENTER THE NUMBER:</h2>
<input type="number" id="num"><br><br>
<button type="submit" onclick="Ans()">CHECK</button><br><br>
<div id="output"></div>
</center>
<script>
    function Ans() {
        const inp = document.getElementById("num").value;
        const out = document.getElementById("output");
        switch (true) {
            case (inp>=1 && inp<=25):
                out.innerHTML = "The entered value is in between 1-25";
                break;

            case (inp>25 && inp<=50):
                out.innerHTML = "The entered value is in between 25-50"
                break;
            case (inp>50 && inp<=100):
                out.innerHTML = "The entered value is in between 25-50"
                break;
            case (inp>100):
                out.innerHTML = "The entered number is greater than 100"
        }
    }
</script>
</body>
</html>
```

2. OUTPUT

The screenshot shows a web browser window titled "SWITCH CASE". The URL is "127.0.0.1:5500/ITE%20Cycle%202/Others/switch%20case.html". The page content includes the title "SWITCH CASE" in large brown text, a black text input field labeled "ENTER THE NUMBER:", and a grey button labeled "CHECK". Below the input field, the number "999" is entered. A message "The entered number is greater than 100" is displayed in purple text.

RESULT

Thus the Control Flow Statements in Java Script was implemented and executed successfully

9. Arrays in Java Script

Exp.No. : 9

Date 07/06/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Arrays in Java Script.

I. EXAMPLE OF ARRAYS IN JAVASCRIPT:

(USING <script></script>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Exercise 4 a</title>
    <style>
        .cont, #o_arr {
            width: 1400px;
            font-size: 40px;
        }
        body {
            background-color: rgba(211, 17, 17, 0.815);
        }
        textarea {
            background-color: mediumspringgreen;
            margin-top: 0px;
            border-top: 10px solid greenyellow;
            border-bottom: 10px solid yellow;
            border-left: 10px solid indigo;
            border-right: 10px solid darkblue;
            padding: 20px;
        }
        h2{font-size: 50px; margin: 0;}
    </style>
</head>
<body>
    <div class="cont">
        <h2>Exercise 4 a</h2>
        <div id="o_arr">
            <pre>
                <!-- Your code here -->
            </pre>
        </div>
    </div>
</body>
</html>
```

```

h1{font-size: 55px; margin: 0; }

</style>
</head>
<body>
<center>

<h1><i><u>ARRAYS EXAMPLE : 1</u></i></h1>
<hr><hr>

<form name="form">
    <h2>ORIGINAL ARRAY : </h2>
    <h1><textarea id="o_arr" rows="3" cols="10"></textarea></h1>
    <hr><hr>
    <h2>MAP</h2>
    <textarea name="mapping" class="cont" rows="2"></textarea>
    <hr><hr>
    <h2>FILTER</h2>
    <textarea name="filtering" class="cont" rows="2"></textarea>
    <hr><hr>
    <h2>REDUCE</h2>
    <textarea name="reducing" class="cont" rows="1">Sum : </textarea>
    <hr><hr>
</form>
</center>

<script>
    const arr = Array();
    var i;
    for (i=1;i<51;i++) {
        arr.push(i);
    }
    document.getElementById("o_arr").innerHTML = arr;
    const x = (arr.slice(0,15)).map(Math.pow)

```

```
form.mapping.value = x;

const y = arr.filter(filteri);
function filteri(value) {
    return (value%2==0);
}
form.filtering.value = y;

const z = arr.reduce(reducing);
function reducing(tot,value) {
    return (tot+value)
}

form.reducing.value = "Sum of the array ---- "+Number(z);

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

2. OUTPUT

The screenshot shows a web browser window titled "Exercise 4 a" with the URL "127.0.0.1:5500/ITE%20Cycle%202/Exercise%204/Exercise%204%20a.html". The page content is displayed on a red background with yellow borders around the code blocks.

ARRAYS EXAMPLE : 1

ORIGINAL ARRAY :

```
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,  
25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,  
46,47,48,49,50
```

MAP

```
1,2,9,64,625,7776,117649,2097152,43046721,1000000000,2593742460  
1,743008370688,23298085122481,793714773254144,29192926025390624
```

The screenshot shows a web browser window titled "Exercise 4 a" with the URL "127.0.0.1:5500/ITE%20Cycle%202/Exercise%204/Exercise%204%20a.html". The page content is displayed on a red background with yellow borders around the code blocks.

MAP

```
1,2,9,64,625,7776,117649,2097152,43046721,1000000000,2593742460  
1,743008370688,23298085122481,793714773254144,29192926025390624
```

FILTER

```
2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,42,44,4  
6,48,50
```

REDUCE

```
Sum of the array ---- 1275
```

II. EXAMPLE OF ARRAYS IN JAVASCRIPT:

(USING <script></script>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        body{
            background-color: darkslategray;
            color: white;
        }
        h1{
            font-size: 50px;
            text-shadow: 3px 3px black;
        }
        h2 {
            font-size: 40px;
            text-decoration:underline;
            color:burlywood;
            text-shadow: 2px 3px black;
        }
        div {
            font-size: 30px;
            background-color: red;
            width: fit-content;
            padding: 20px;
            box-shadow: 3px 3px yellow;
        }
    </style>
```

```

</head>

<body>
    <center>
        <h1><u><i>ARRAY EXAMPLE : 2</i></u></h1>
        <h1><u><i>EXAMPLES WITH SOME OF THE ARRAY FUNCTIONS:</i></u></h1>
<hr>
<div id="arrays"></div><hr>
<h2>concat()</h2>
<div id="one"></div>
<hr>
<h2>join() of array 1</h2>
<div id="two"></div>
<hr>
<h2>push() to array 1</h2>
<div id="three"></div>
<hr>
<h2>shift() to array 1</h2>
<div id="four"></div>
<hr>
<h2>pop() to array 2</h2>
<div id="five"></div>
<hr>
<h2>length of array 1</h2>
<div id="six"></div>
<hr>
</center>

<script>
    const arr1 = Array("Alex","Telex","Pandian");
    const arr2 = Array("Kumar","prasanth","arul","stephen");
    document.getElementById("arrays").innerHTML="Array : 1 ----
- >>>"+arr1+"<br><br>+"Array : 2 ----->>>"+arr2;

```

```
document.getElementById("one").innerHTML=arr1.concat(arr2);
document.getElementById("two").innerHTML=arr1.join("+||+");
arr1.push("New name");
document.getElementById("three").innerHTML = arr1;
arr1.shift();
document.getElementById("four").innerHTML = arr1;
arr2.pop();
document.getElementById("five").innerHTML = arr2;
document.getElementById("six").innerHTML = arr1.length;

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

2. OUTPUT

The screenshot shows two separate browser windows, both titled "Exercise 4 a" and "Document". The URL in the address bar is "127.0.0.1:5500/ITE%20Cycle%202/Exercise%204/Exercise%204%20b.html". The browser interface includes standard navigation buttons, a search bar, and a bookmarks bar with various links.

ARRAY EXAMPLE : 2

EXAMPLES WITH SOME OF THE ARRAY FUNCTIONS:

Array : 1 ----- >>>Alex,Telex,Pandian

Array : 2 ----->>>Kumar,prasanth,arul,stephen

concat()

Alex,Telex,Pandian,Kumar,prasanth,arul,stephen

join() of array 1

Alex+ | +Telex+ | +Pandian

push() to array 1

Alex,Telex,Pandian,New name

shift() to array 1

Telex,Pandian,New name

pop() to array 2

Kumar,prasanth,arul

length of array 1

3

RESULT

Thus the Arrays in Java Script was implemented and executed successfully

10. Popup Boxes in Java Script

Exp.No. : 10

Date 17/06/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Popup Boxes in Java Script

I. EXAMPLE OF POPUP BOXES IN JAVA SCRIPT:

(USING <script></script> with if block>

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Alert:</title>
    <style>
        body {
            background-color: rosybrown;
        }
        h1 {
            color: maroon;
            text-shadow: 2px 2px yellow;
        }

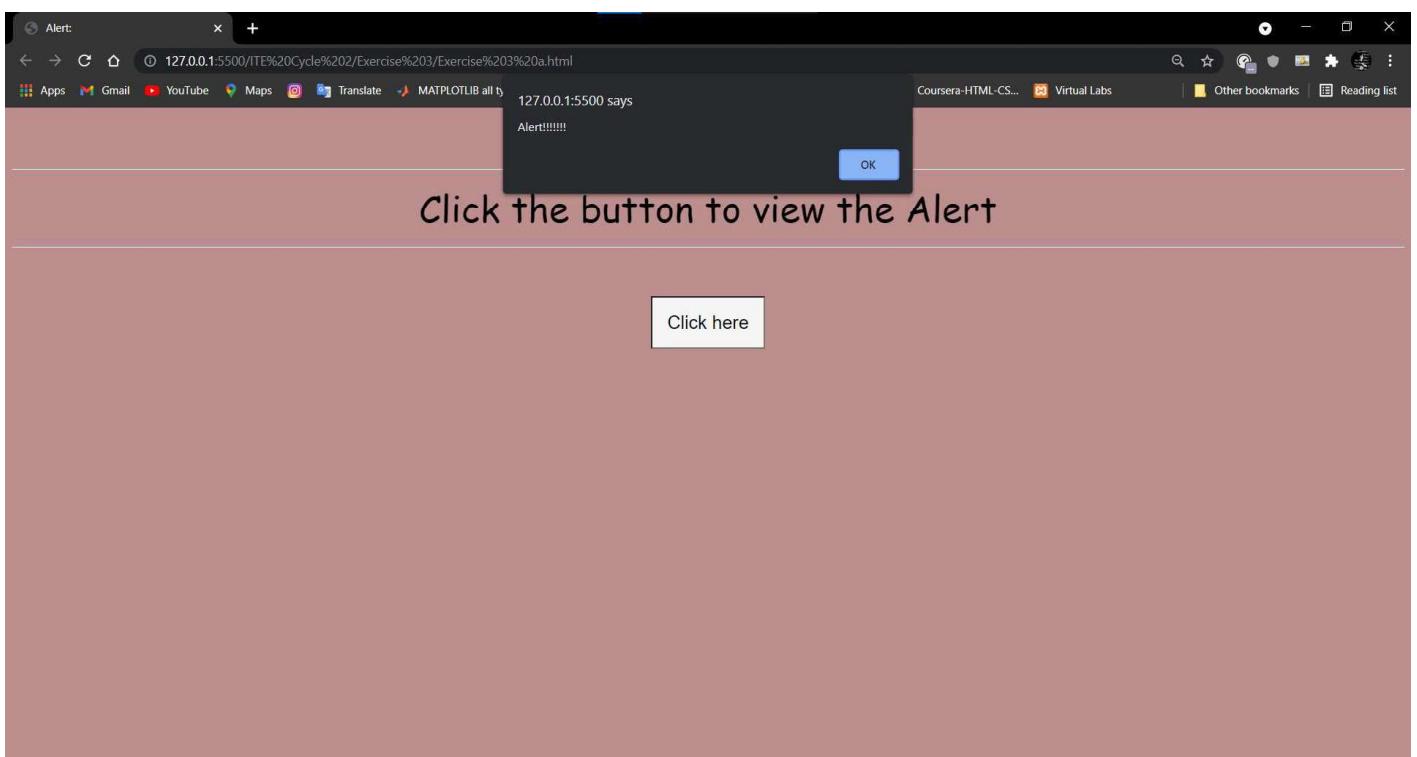
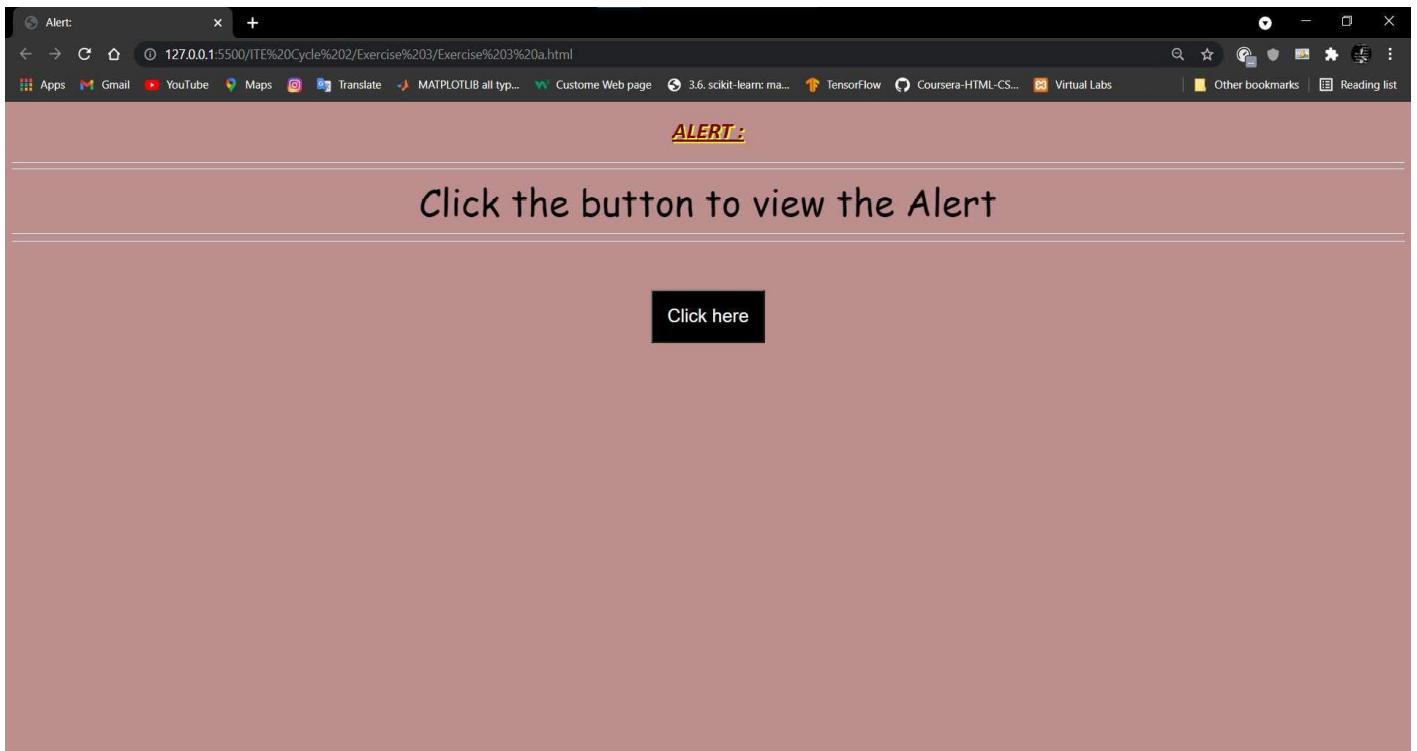
        .content {
            font-size: 50px;
            font-family: cursive;
        }

        button {
            background-color: black;
            color: white;
            padding: 20px;
            font-size: 25px;
        }
    </style>
</head>
<body>
    <h1>Hello World!</h1>
    <p>This is a simple example of a popup box in Java Script.</p>
    <button>Click Me!</button>
</body>
<script>
    document.querySelector('button').addEventListener('click', function() {
        if (confirm('Do you want to proceed?')) {
            alert('Proceeding...');
        } else {
            alert('Operation canceled.');
        }
    });
</script>

```

```
button:hover {  
    background-color: whitesmoke;  
    color: black;  
}  
  
hr {  
    background-color: red;  
}  
  
</style>  
</head>  
  
<body>  
    <center>  
        <h1><i><u><b>ALERT : </b></u></i></h1>  
        <hr><hr>  
        <div class="content">Click the button to view the Alert</div>  
        <hr><hr><br><br><br>  
        <button onclick="Click()">Click here</button>  
    </center>  
  
<script>  
    function Click() {  
        alert("Alert!!!!!!")  
    }  
</script>  
</body>  
</html>
```

2. OUTPUT



II. EXAMPLE OF POPUP BOXES IN JAVA SCRIPT:

(USING <script></script> with if block>

1. SOURCE CODE

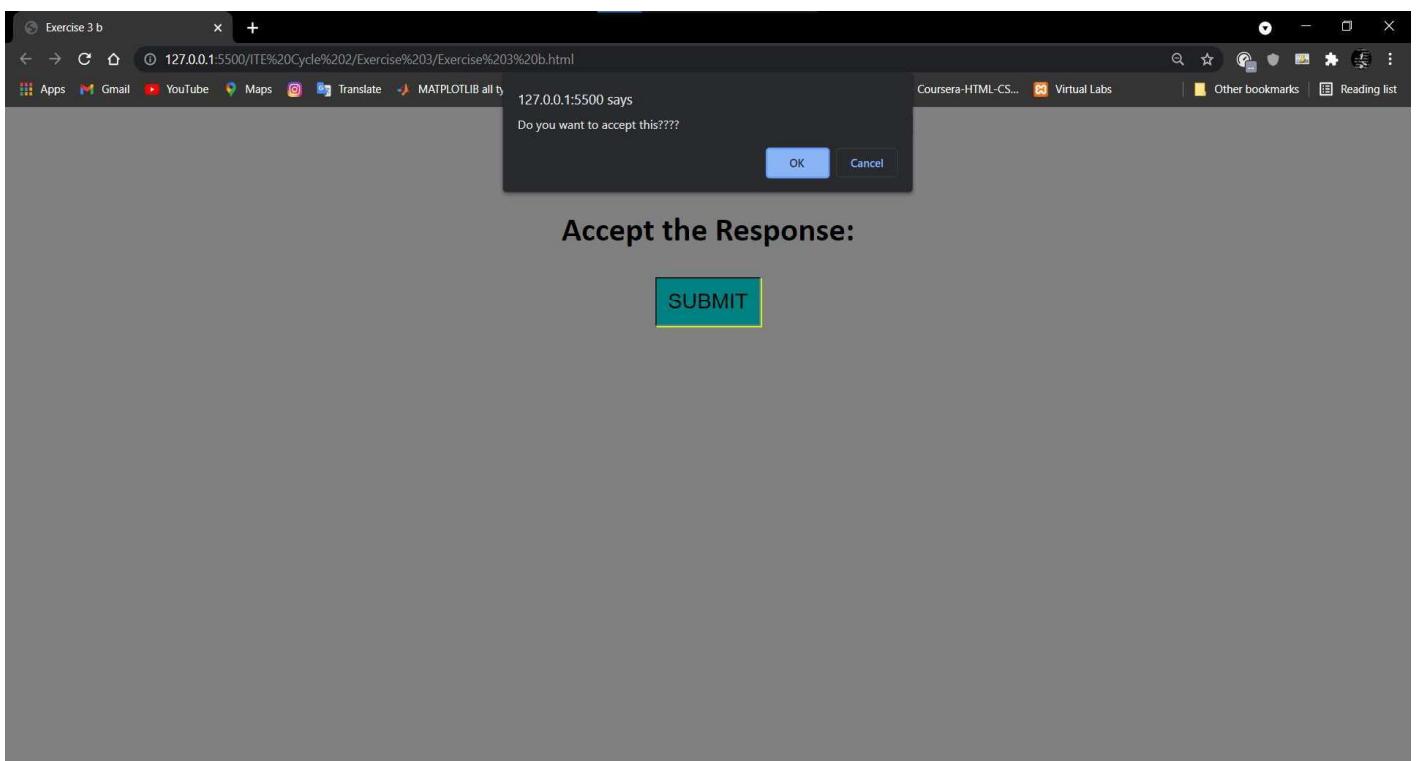
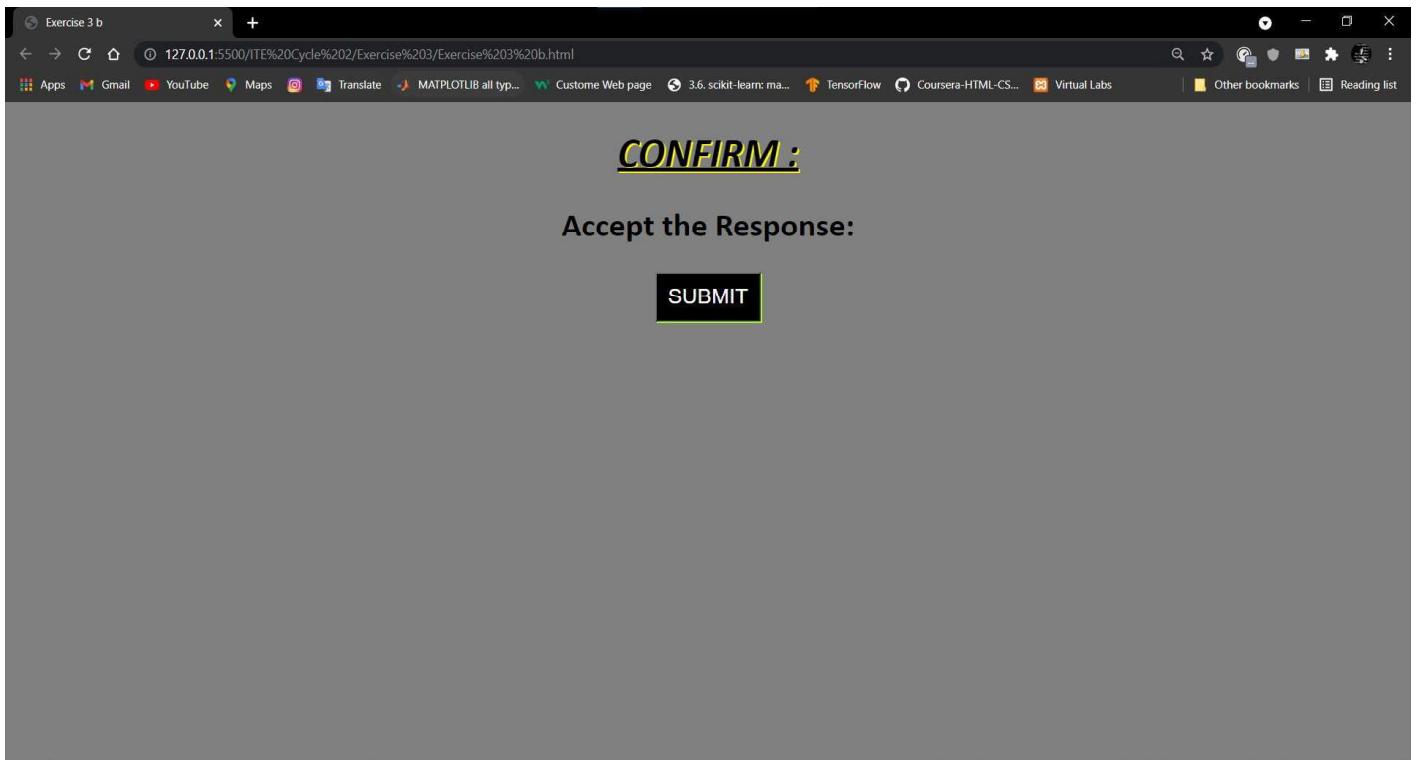
```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Exercise 3 b</title>
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Asset&display=swap" rel="stylesheet">
    <style>
        body {
            background-color: gray;
        }
        h1 {
            font-size: 55px;
            text-shadow: 2px 2px yellow;
        }
        h2 {
            font-size: 45px;
        }
        button {
            padding: 15px;
            font-size: 29px;
            background-color: black;
            color: white;
            box-shadow: 2px 2px greenyellow;
        }
        button:hover {
            background-color:teal;
            color: black;
        }
        #message {
```

```

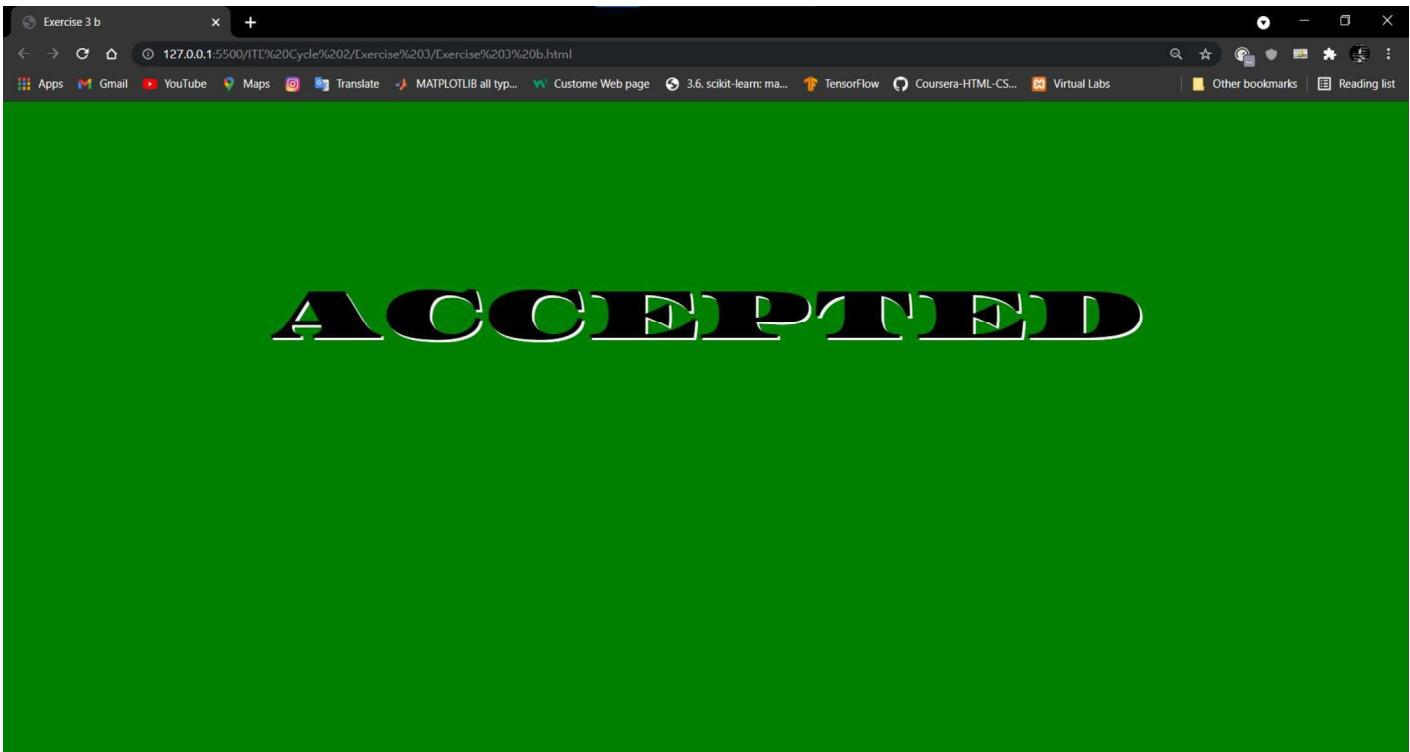
        font-family: 'Asset', cursive;
        font-size: 100px;
        text-shadow: 3px 3px white;
        position: relative;
        top: 220px;
    }
</style>
</head>
<body>
    <center>
        <div id="content">
            <h1><i><u><b>CONFIRM : </b></u></i></h1>
            <h2>Accept the Response:</h2>
            <button onclick="submit()">SUBMIT</button>
        </div>
        <div id="message"></div>
    </center>
    <script>
        function submit() {
            var inp = confirm("Do you want to accept this????");
            if (inp==true){
                document.body.style.backgroundColor = "green";
                document.getElementById("message").innerHTML = "ACCEPTED";
                document.getElementById("content").style.display = "none";
            }
            else {
                document.body.style.backgroundColor = "red";
                document.getElementById("message").innerHTML = "NOT ACCEPTED";
                document.getElementById("content").style.display = "none";
            }
        }
    </script></body></html>

```

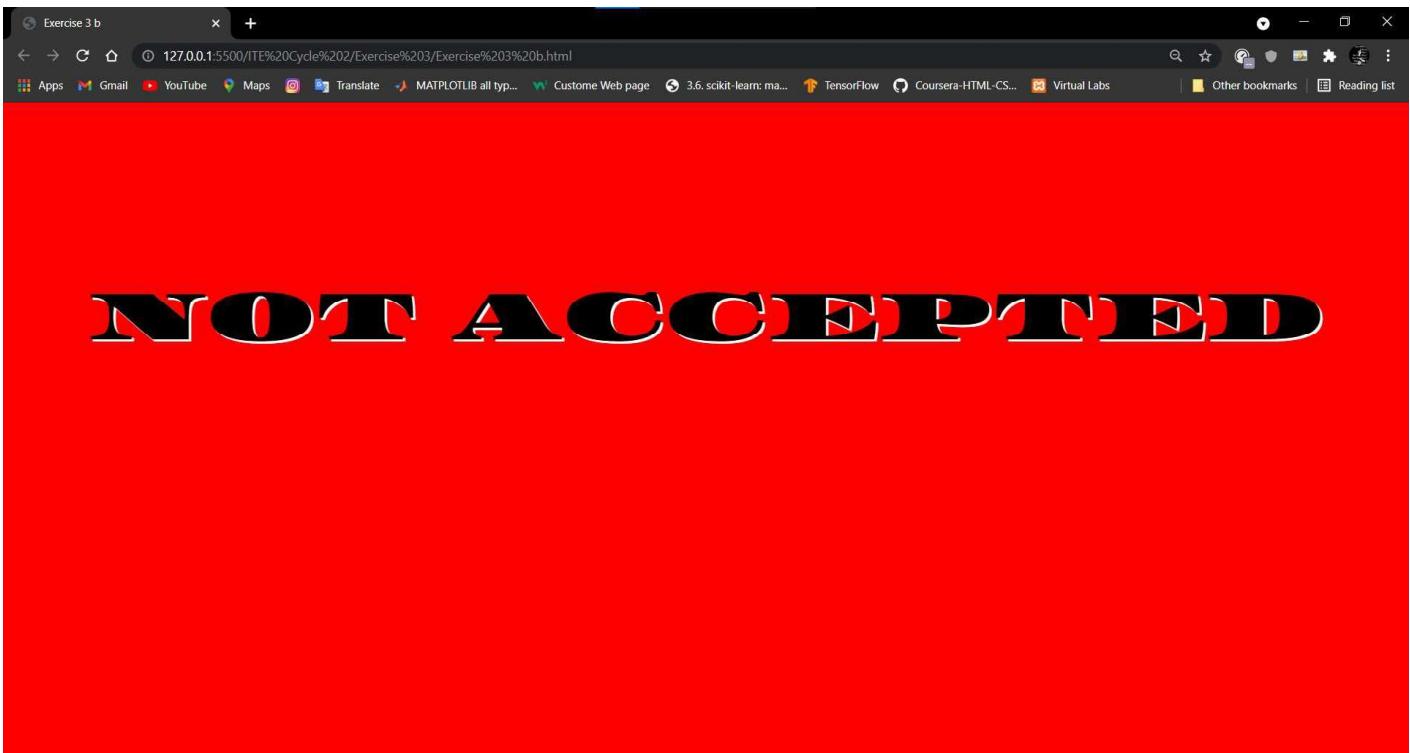
2. OUTPUT



If “OK” is clicked,



If “CANCEL” is clicked,



III. EXAMPLE OF POPUP BOXES IN JAVA SCRIPT:

(USING <script></script> with if block>

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Exercise 3 c</title>
    <style>
        h1 {
            font-size: 70px;
            margin: 0%;
        }
        #text {
            width: 700px;
            height: auto;
            padding: 20px;
            font-size: 50px;
            overflow:auto;
            background-color: darkslategrey;
            color: white;
        }
        body {
            background-color: rgba(243, 63, 63, 0.753);
        }
        button {
            font-size: 25px;
            padding: 10px;
            border-radius: 20px;
            background-color: palegreen;
        }
        button:hover {
```

```

background-color: midnightblue;
color: navajowhite;
}

.conte {
    font-size: 45px;
}

#OUTPUT {
    font-size: 40px;
}

```

</style>

</head>

<body>

<h1><u><i>PROMPT : </i></u></h1>

<h1><button onclick="Prompt()">CLICK FOR INPUT</button></h1>

<hr><hr>

<div class="conte">Enter some input in the PROMPT </div>

<hr><hr>

<div id="OUTPUT">OUTPUT : </div>

<div id="text"></div>

</center>

<script>

```

function Prompt() {
    var inp=prompt("Enter your input ---- ")
    document.getElementById("text").innerHTML = inp;
}

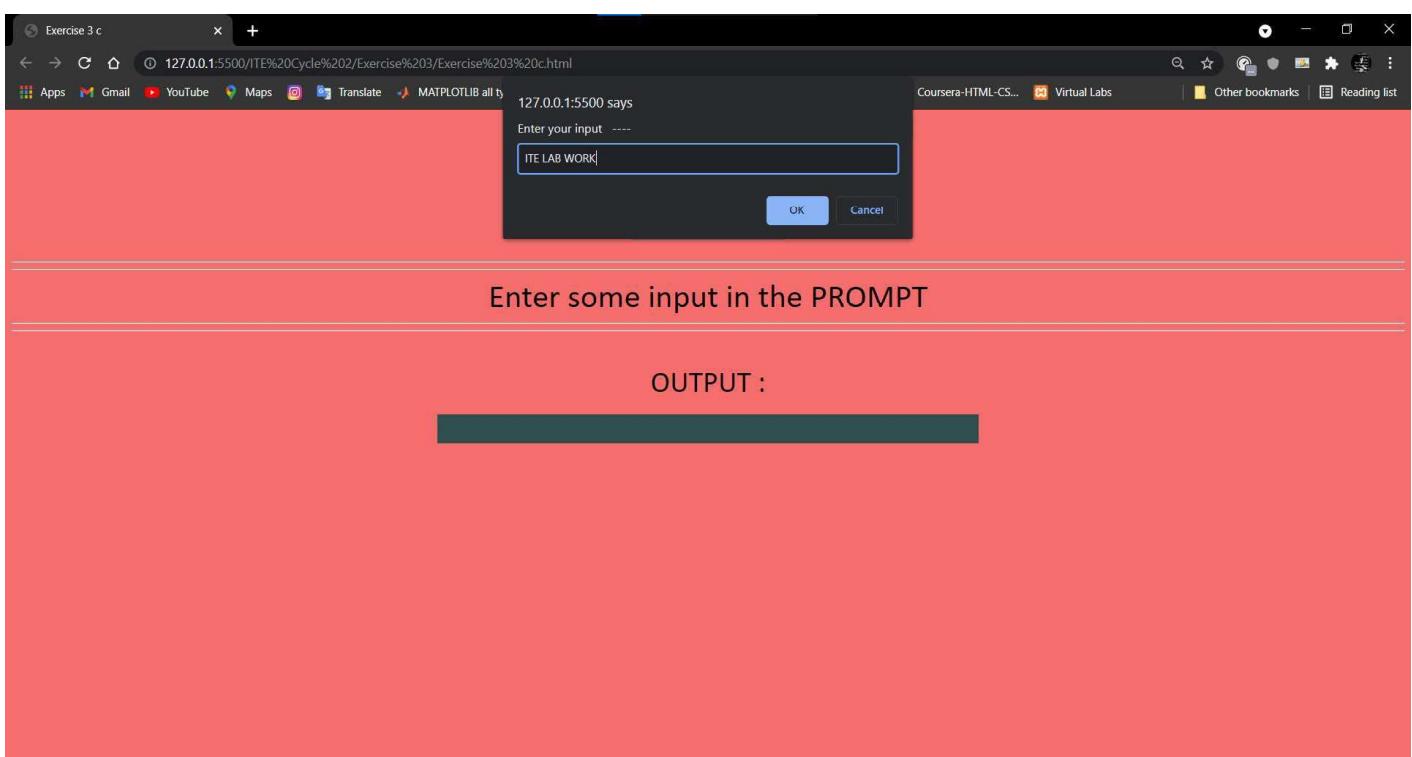
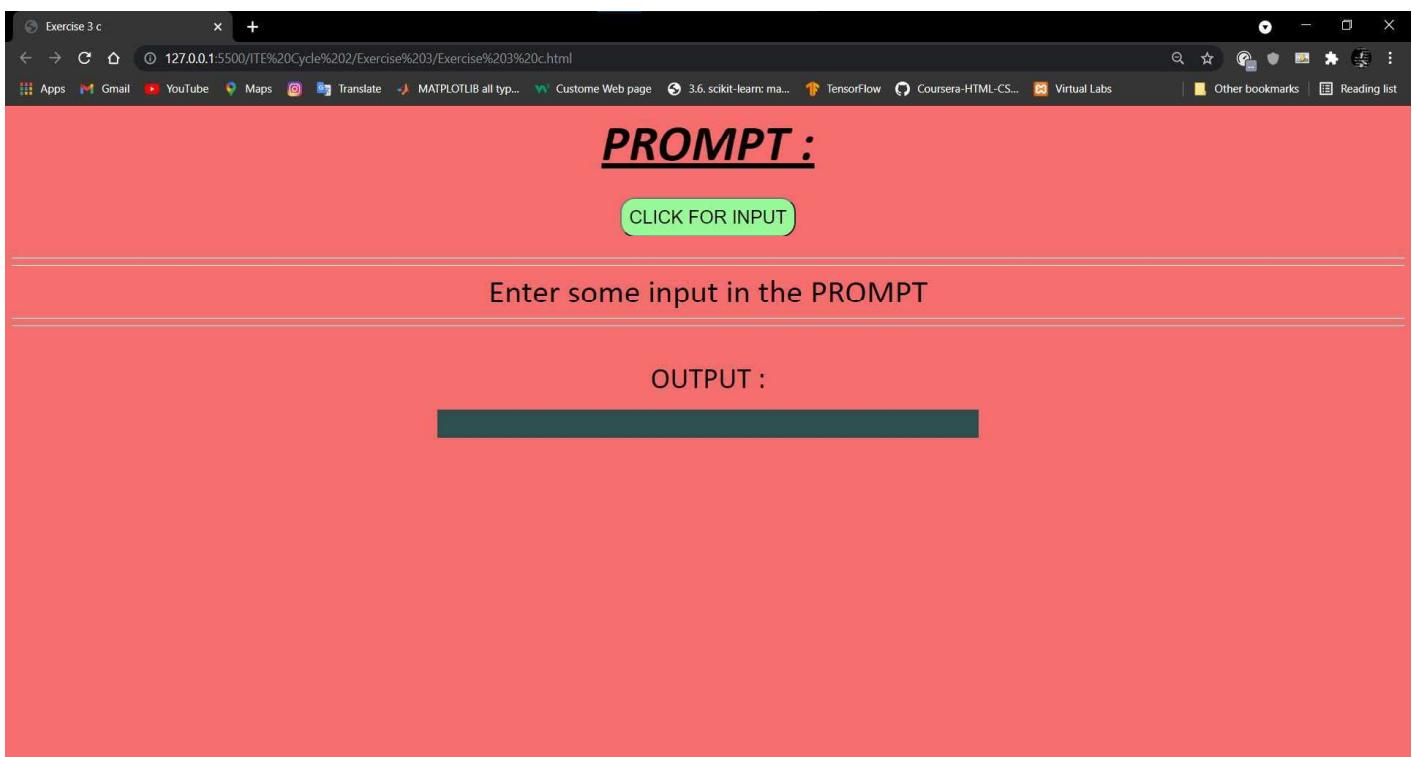
```

</script>

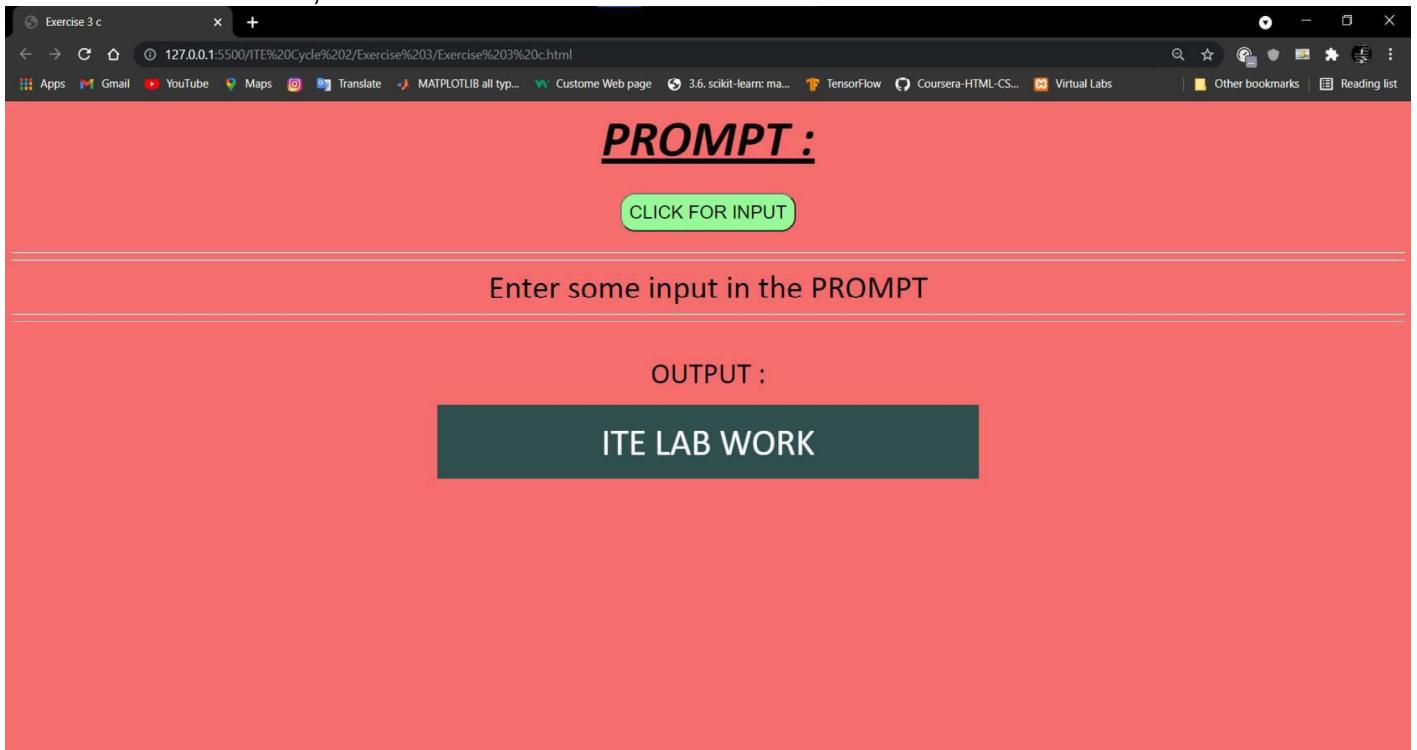
</body>

</html>

2. OUTPUT



After “OK” is clicked,



RESULT

Thus the Popup Boxes in Java Script was implemented and executed successfully

11. Front End Development using HTML Forms with Java Script

Exp.No. : 11

Date 25/06/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Front End Development using HTML Forms with Java Script

I. EXAMPLE OF FRONT END DEVELOPMENT USIGN HTML FORMS WITH JAVA SCRIPT:

(USING <form></form><script></script> with if block>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Kaushan+Script&display=swap
" rel="stylesheet">
    <title>Exercise 5 b</title>
    <style>
        body{
            background-color: black;
        }
        h1{
            text-align: center;
            color: darkgoldenrod;
        }
        span {
            color:red;
            font-family: cursive;
        }
    </style>
</head>
<body>
    <h1>Hello World</h1>
    <span>This is a test</span>
</body>
</html>
```

```
form {  
    border: 5px dotted black;  
    padding: 20px;  
    font-size: 25px;  
    color: black;  
    width: fit-content;  
    background-image: radial-gradient(grey,white,wheat);  
    position: relative;  
    left: 36%;  
}  
  
input,select,option,textarea {  
    font-size: 22px;  
    border: 2px solid black;  
    background-color: wheat;  
}  
  
input[type="submit"],input[type="reset"]{  
    background-color:navy;  
    color: yellow;  
    padding: 10px;  
    font-size: 25px;  
    width: 45%;  
    margin: 10px;  
}  
  
input[type="submit"]:hover,input[type="reset"]:hover{  
    background-color: silver;  
    color: black;  
}  
</style>  
</head>  
<body>  
    <h1><i>INTRO FORM :</i></h1>
```

```

<div class="form">
    <form name="form" onsubmit="Confirm(event)">
        <label for="name">NAME :</label>
        <input type="text" name="name" id="name" required>
        <br><br>
        <label for="email">EMAIL:</label>
        <input type="email" name="email" id="email">
        <br><br>
        <label for="Degree">DEGREE:</label>
        <select name="degree" id="degree" required>
            <option>CSE</option>
            <option>IT</option>
            <option>MECH</option>
            <option>AERO</option>
            <option>PT</option>
            <option>ECE</option>
            <option>EEE</option>
        </select>
        <br><br>
        <label for="dob">DOB:</label>
        <input type="date" name="date" id="date" required oninput="DATE()">
        <br>
        <span id="date_err"></span>
        <br><br>
        <label for="number">MOB NUMBER:</label>
        <input type="text" name="number" id="number" required oninput="Mobi()">
        <br>
        <span id="mob_err"></span>
        <br><br>
        <label for="cmt">COMMENT:</label>
        <textarea name="comment" id="comment" cols="30" rows="4" placeholder="comment....."></textarea>
        <br><br>
        <input type="submit" value="SUBMIT">

```

```

        <input type="reset" value="RESET">
    </form>
</div>

<script>
    function Mobi() {
        var mob = String(form.number.value);
        //using ternary if statement
        document.getElementById("mob_err").innerHTML = (mob.length!=10)? "*Mo
bile number should be 10 digits":"";
    }

    function DATE() {
        var dat = (new Date(form.date.value)).getFullYear();
        if (dat>2003) {
            document.getElementById("date_err").innerHTML="*DOB should be l
ess than 31-12-2003";
        }
    }

    function Confirm(event) {
        var con = confirm("Sure,Do you want to submit?");
        if (con==true){
            alert("Successfully SUBMITTED")
        } else {
            document.write("<h1 style = 'text-
align: center;position: relative;top:30%;font-size: 70px;font-
family: monospace;'>ABORTED</h1>");
            document.body.style.backgroundColor="red";
        }
    }
</script>
</body>
</html>

```

2. OUTPUT

The screenshot shows a web browser window with multiple tabs open. The active tab displays an 'INTRO FORM' with the following fields:

- NAME: [Text input field]
- EMAIL: [Text input field]
- DEGREE: CSE [Select dropdown]
- DOB: mm/dd/yyyy [Text input field]
- MOB NUMBER: [Text input field]
- comment..... [Text area]
- COMMENT: [Text area]

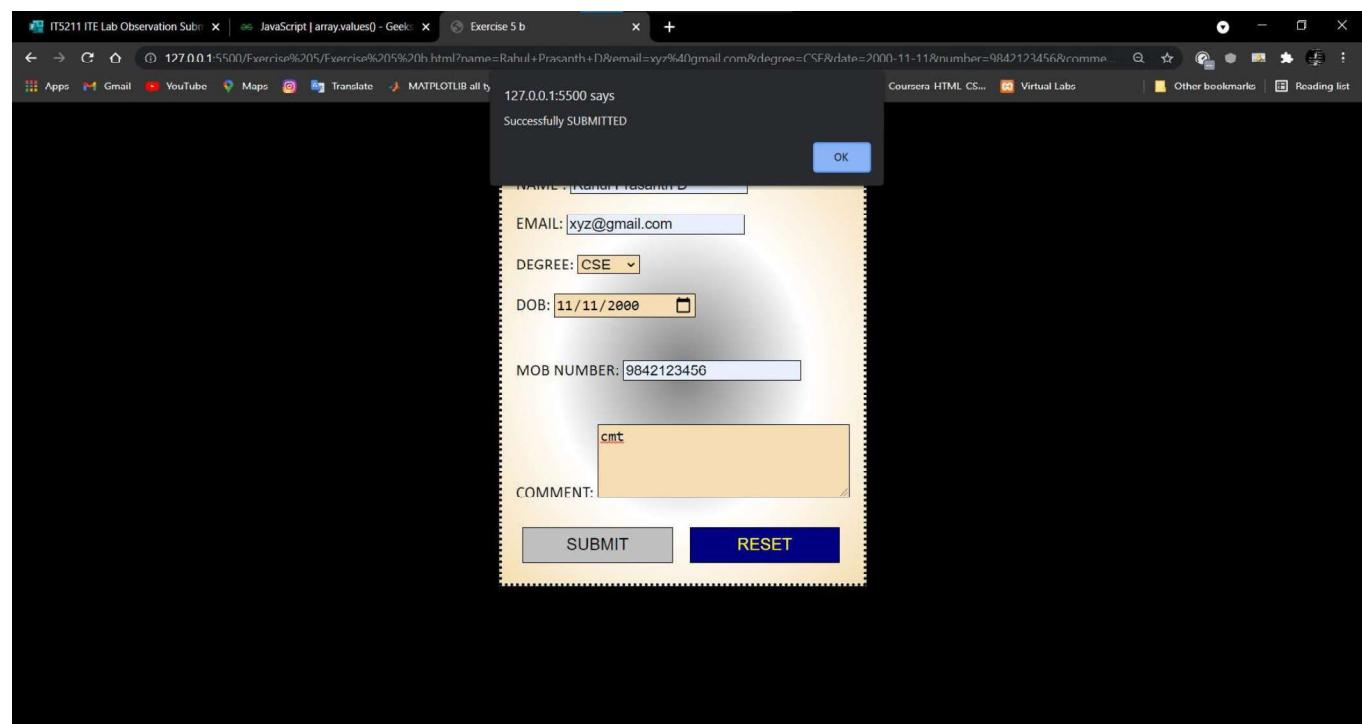
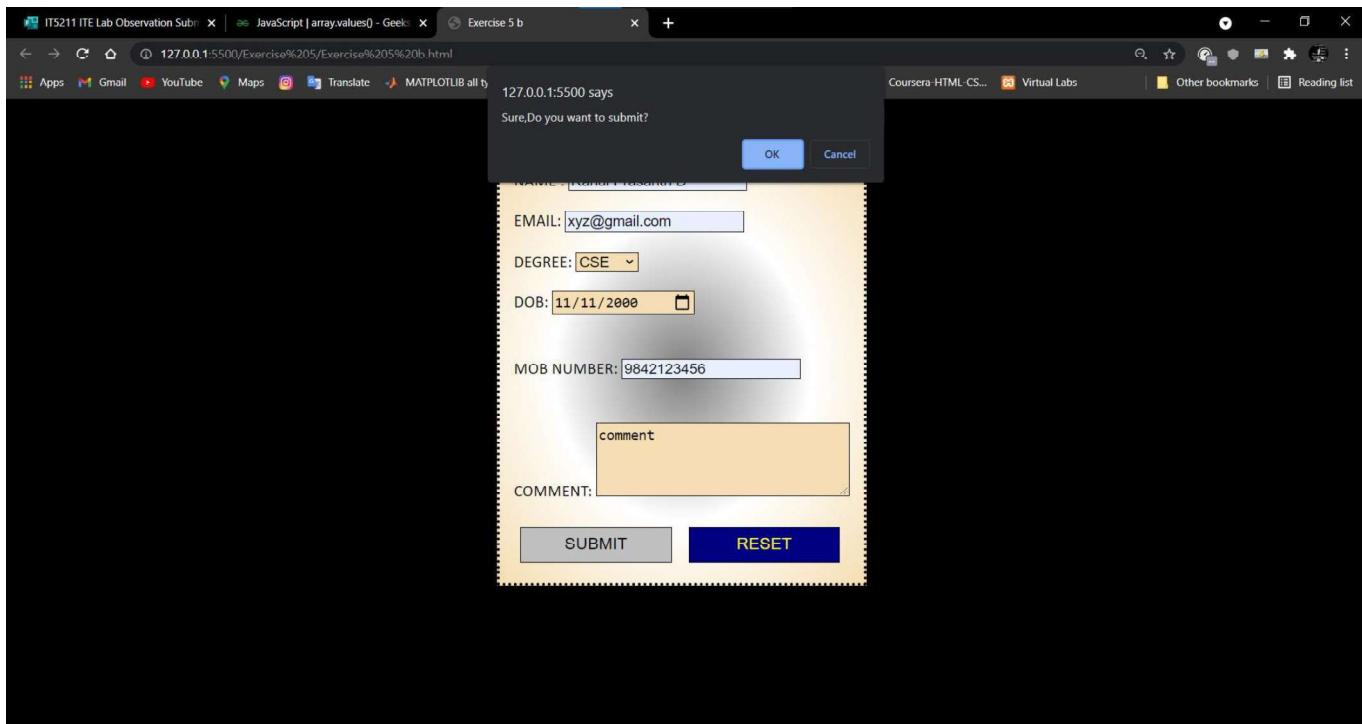
At the bottom are two blue buttons: 'SUBMIT' and 'RESET'.

//with errors

The screenshot shows a web browser window with multiple tabs open. The active tab displays an 'INTRO FORM' with the following fields and validation errors:

- NAME: Rahul Prasanth D
- EMAIL: xyz@gmail.com
- DEGREE: CSE
- DOB: 11/05/2011 [Text input field]
*DOB should be less than 31-12-2003
- MOB NUMBER: 123456
*Mobile number should be 10 digits
- comment.....
- COMMENT: [Text area]

At the bottom are two blue buttons: 'SUBMIT' and 'RESET'.



II. EXAMPLE OF FRONT END DEVELOPMENT USING HTML FORMS WITH JAVA

SCRIPT:

(USING <form></form><script></script> with if block)

1. SOURCE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link href="https://fonts.googleapis.com/css2?family=Montserrat:wght@300;400
;500&display=swap" rel="stylesheet">
    <style>

        body {
            background: linear-gradient(45deg, #FC466B, #3F5EFB);
            height: 110vh;
            font-family: 'Montserrat', sans-serif;
        }

        .container {
            position: absolute;
            transform: translate(-50%,-50%);
            top: 50%;
            left: 50%;
        }

        form {
            background: rgba(255,255,255,0.3);
            padding: 3em;
            height: 350px;
            border-radius: 20px;
            border-left: 1px solid white;
            border-top: 1px solid white;
            backdrop-filter: blur(10px);
        }

    </style>
</head>
<body>
    <div class="container">
        <form>
            <input type="text" placeholder="Name" />
            <input type="text" placeholder="Email" />
            <input type="text" placeholder="Phone" />
            <input type="text" placeholder="Address" />
            <input type="text" placeholder="City" />
            <input type="text" placeholder="State" />
            <input type="text" placeholder="Zip" />
            <input type="text" placeholder="Country" />
            <input type="text" placeholder="Subject" />
            <input type="text" placeholder="Message" />
            <input type="button" value="Submit" />
        </form>
    </div>
</body>
</html>
```

```
        box-shadow: 20px 20px 40px -6px rgba(0,0,0,0.2);  
        text-align: center;  
        position: relative;  
        transition: all 0.2s ease-in-out;}  
  
p {  
    font-weight: 500;  
    color: #fff;  
    opacity: 0.7;  
    font-size: 1.4rem;  
    margin-top: 0;  
    margin-bottom: 60px;  
    text-shadow: 2px 2px 4px rgba(0,0,0,0.2);  
}  
  
a {  
    text-decoration: none;  
    color: #ddd;  
    font-size: 12px;  
}  
a:hover {  
    text-shadow: 2px 2px 6px #00000040;  
}  
  
a:active {  
    text-shadow: none;  
}  
  
input {  
    background: transparent;  
    color: black;  
    width: 200px;  
    padding: 1em;  
    margin-bottom: 1.5em;
```

```
border: none;  
border-left: 1px solid white;  
border-top: 1px solid white;  
border-radius: 5000px;  
backdrop-filter: blur(5px);  
box-shadow: 4px 4px 60px rgba(0,0,0,0.2);  
font-family: Montserrat, sans-serif;  
font-weight: 500;  
transition: all 0.2s ease-in-out;  
text-shadow: 2px 2px 4px rgba(0,0,0,0.2);  
  
}  
  
input[type = "radio"] {  
width: min-content;  
background-color: transparent;  
}  
input:hover {  
background: rgba(255,255,255,0.1);  
box-shadow: 4px 4px 60px 8px rgba(0,0,0,0.2);  
}  
  
input[type="email"],input[type="password"] {  
color: black;  
}  
input:focus {  
background: rgba(255,255,255,0.1);  
box-shadow: 4px 4px 60px 8px rgba(0,0,0,0.2);  
}  
input[type="button"] {  
margin-top: 10px;  
width: 150px;  
font-size: 1rem;  
}
```

```
input:active {  
    background: rgba(255,255,255,0.2);  
}  
input:hover {  
    margin: 4px;  
}  
::placeholder {  
    font-family: Montserrat, sans-serif;  
    font-weight: 400;  
    color: #fff;  
    text-shadow: 2px 2px 4px rgba(0,0,0,0.4);  
}  
  
.drop {  
    background: rgba(255,255,255,0.3);  
    backdrop-filter: blur(50px);  
    border-radius: 10px;  
    border-left: 1px solid white;  
    border-top: 1px solid white;  
    box-shadow: 10px 10px 60px -8px rgba(0,0,0,0.2);  
    position: absolute;  
    transition: all 0.2s ease;  
}  
.  
}  
.drop-1 {  
    height: 80px;  
    width: 80px;  
    top: -20px;  
    left: -40px;  
    z-index: -1;  
}
```

```
.drop-2 {  
    height: 80px;  
    width: 80px;  
    bottom: -30px;  
    right: -10px;  
}  
  
a,
```

```
.drop-3 {  
    height: 100px;  
    width: 100px;  
    bottom: 120px;  
    right: -50px;  
    z-index: -1;  
}  
  
a,
```

```
.drop-4 {  
    height: 120px;  
    width: 120px;  
    top: -60px;  
    right: -60px;  
}  
  
a,
```

```
.drop-5 {  
    height: 60px;  
    width: 60px;  
    bottom: 170px;  
    left: 90px;  
    z-index: -1;  
}  
  
a,
```

```
input:focus,  
select:focus,  
textarea:focus,  
button:focus {
```

```

        outline: none;
    }

    span {
        color: red;
        font-size: 12px;
    }

</style>
</head>
<body>

    <div class="container">
        <form name="form" >
            <p>Welcome</p>
            <input type="email" placeholder="Email" id="email"><br>
            <input type="password" placeholder="Password" id="password" required na
me="password" oninput="Check()"><br>
            <input type="radio" onclick="myFunction()">Show Password<br>
            <span id="err"></span>
            <input type="button" value="Sign in"><br>
        </form>

        <div class="drops">
            <div class="drop drop-1"></div>
            <div class="drop drop-2"></div>
            <div class="drop drop-3"></div>
            <div class="drop drop-4"></div>
            <div class="drop drop-5"></div>
        </div>
    </div>

    <script>
        function Check() {
            var inp = form.password.value;

```

```

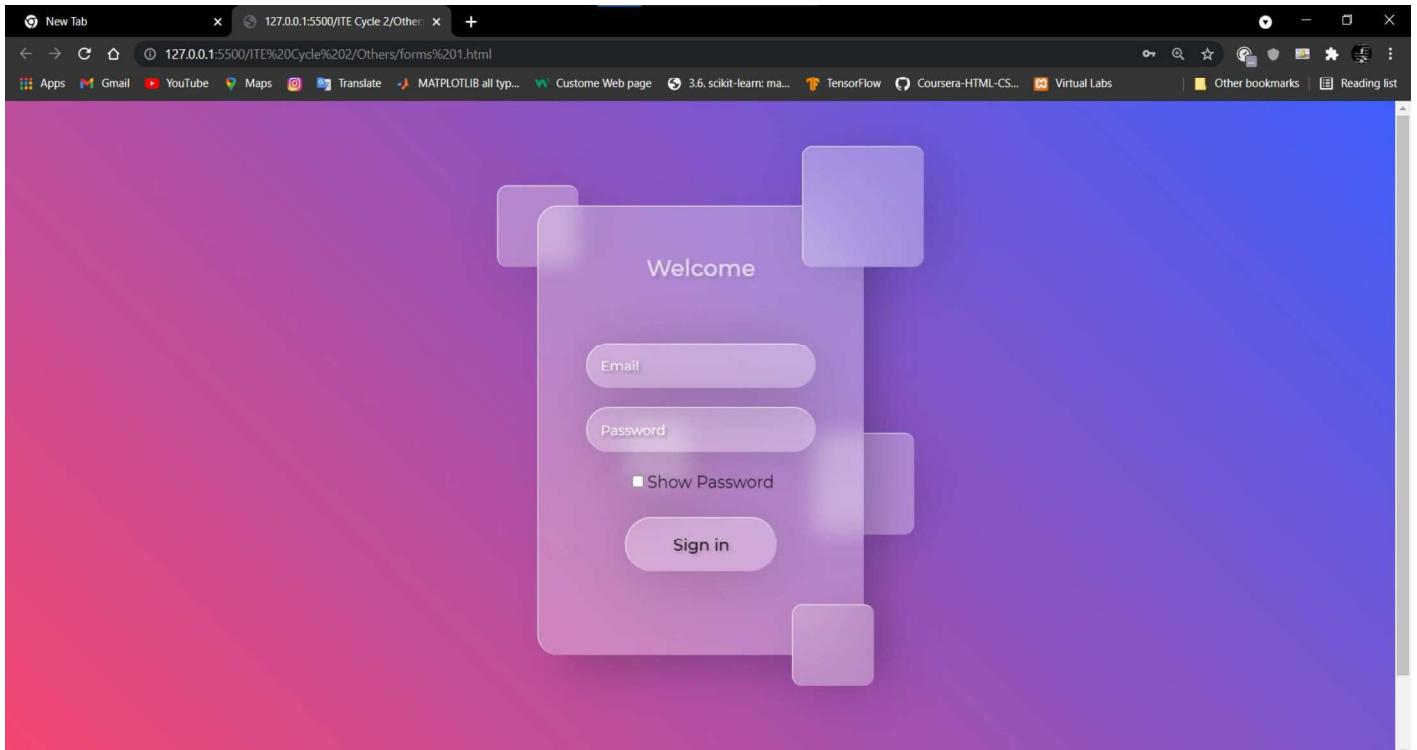
const alpha = /[a-zA-Z]{1,}/g;
const num = /[0-9]{1,}/g;
const special = /[^a-zA-Z0-9]{1,}/g;

if ((!(alpha.test(inp)&&num.test(inp)&&special.test(inp))) && (inp.length<8))
{
    document.getElementById("err").innerHTML = "*****Atleast 8 characters Use <br>Alphabets,Numerical values and special characters<br> to create a password<br>";
}
else {
    document.getElementById("err").innerHTML="";
}
}

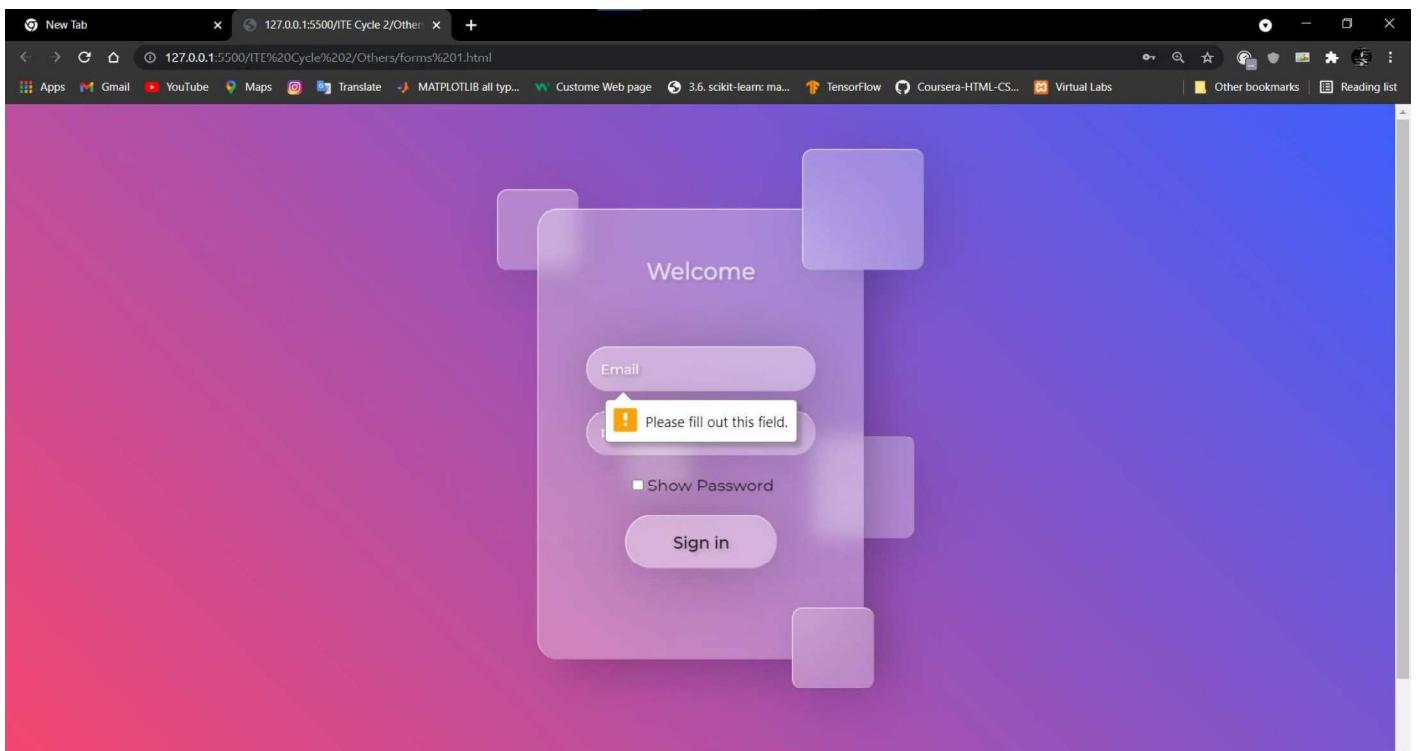
function myFunction() {
    var x = document.getElementById("password");
    if (x.type === "password") {
        x.type = "text";
    } else {
        x.type = "password";
    }
}
</script>
</body>
</html>

```

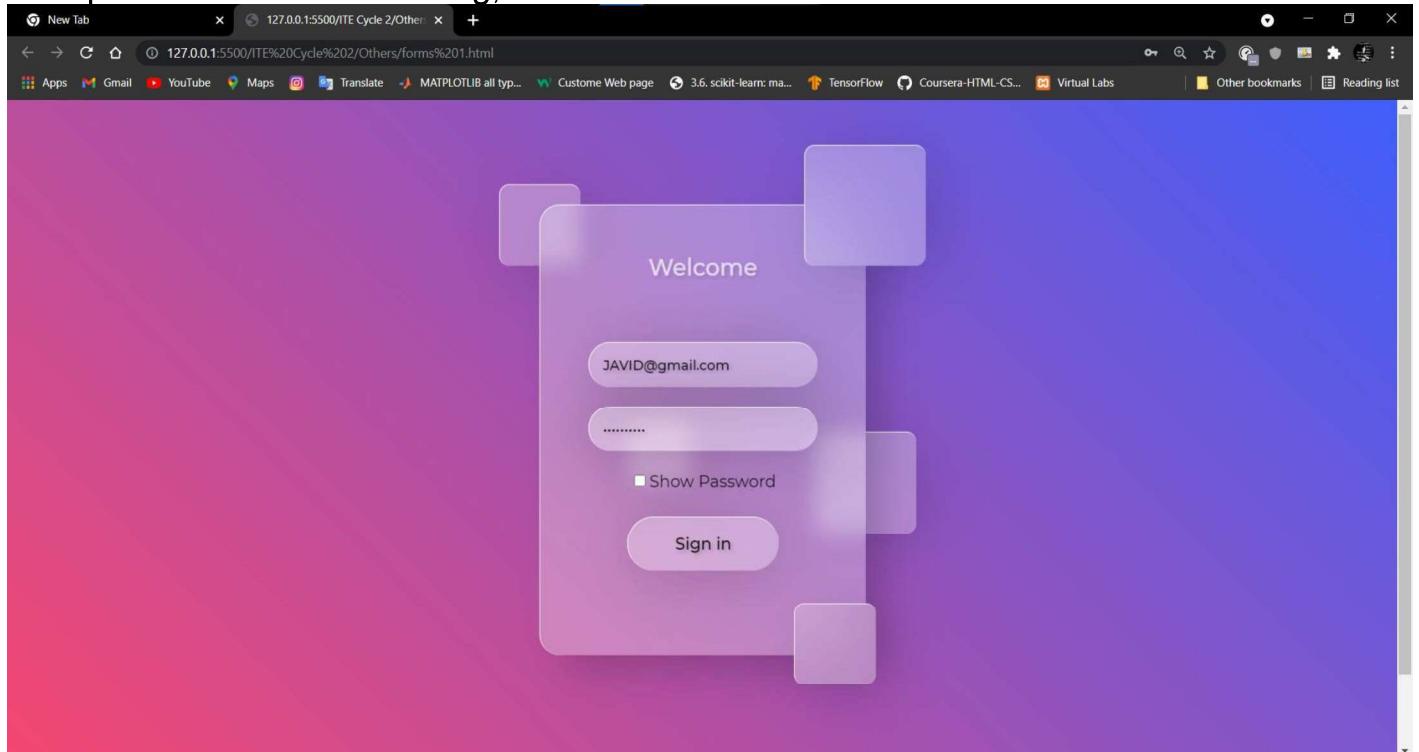
2. OUTPUT



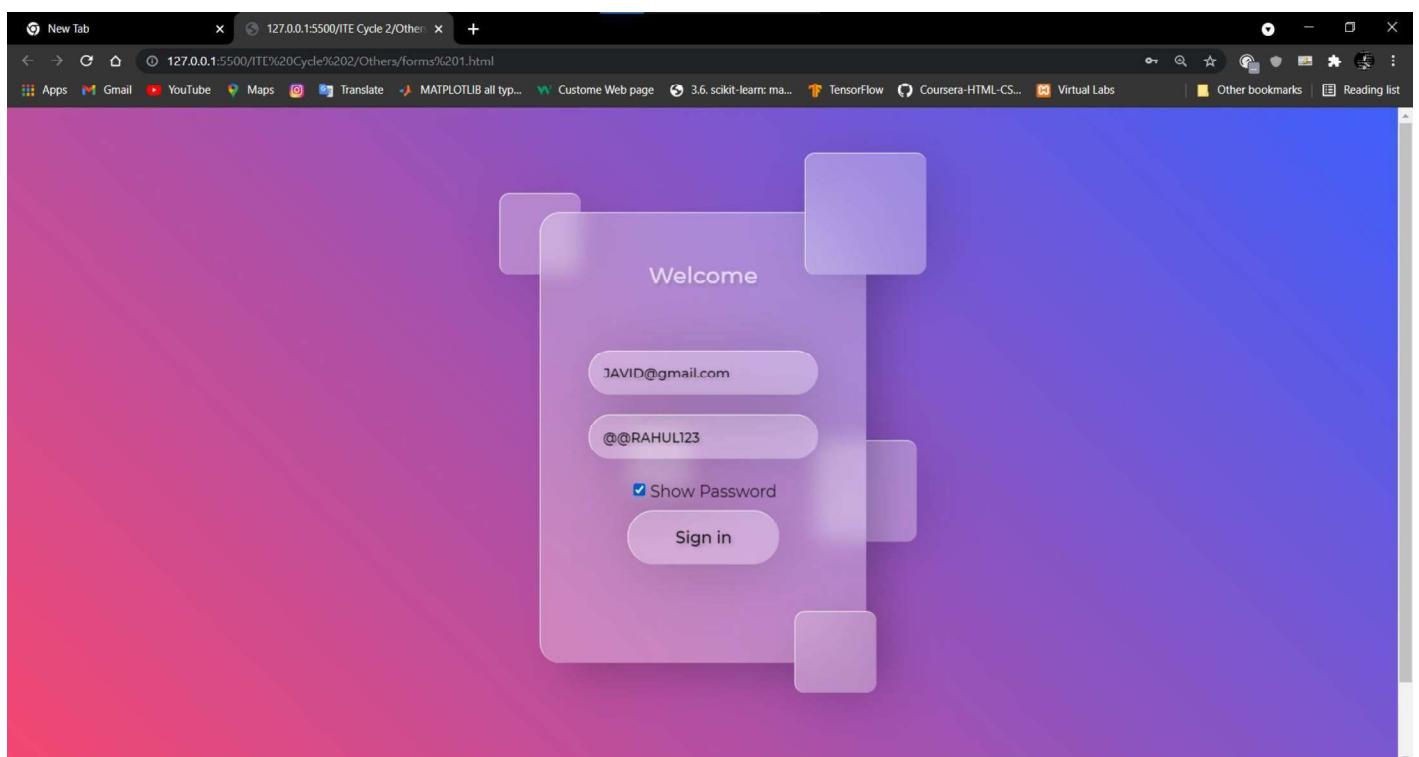
If we submit without input:



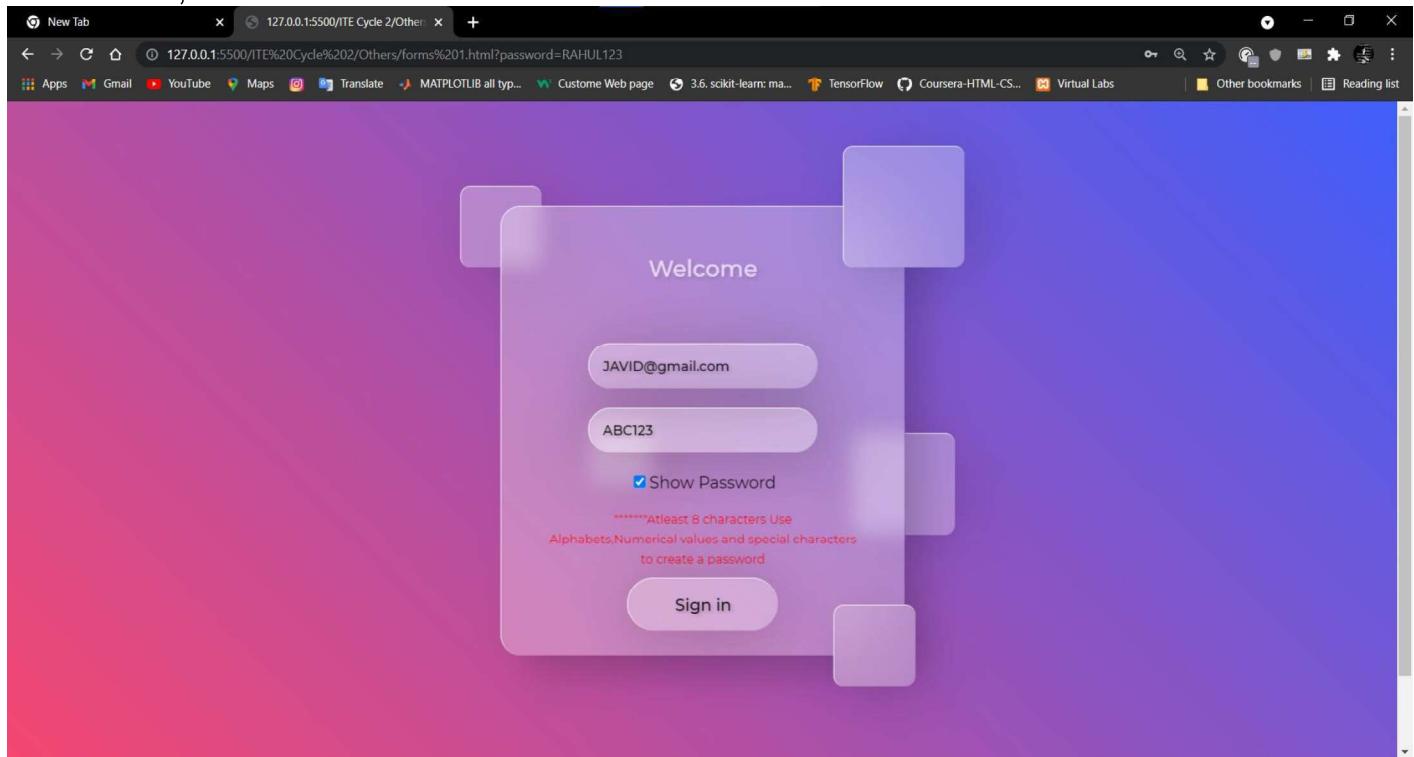
Now password without showing;



With showing password;



With errors;



RESULT

Thus the Front End Development using HTML Forms with Java Script was implemented and executed successfully

12. PHP Introduction – Hello World

Exp.No. : 12

Date 05/07/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with PHP Introduction – Hello World

I. EXAMPLE OF PHP INTRODUCTION – HELLO WORLD:

(USING <?php...?>)

1. SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Hello World</title>
    <style>
        body {
            background-color: black;
            color: wheat;
        }
        h1{
            font-size: 60px;
        }

        .context{
            font-size: 40px;
            font-family: cursive;
            font-weight: bolder;
        }

        .container {
```

```
border: 4px solid red;
height: max-content;
padding: 150px 50px 200px 50px;
}

</style>

</head>

<body>

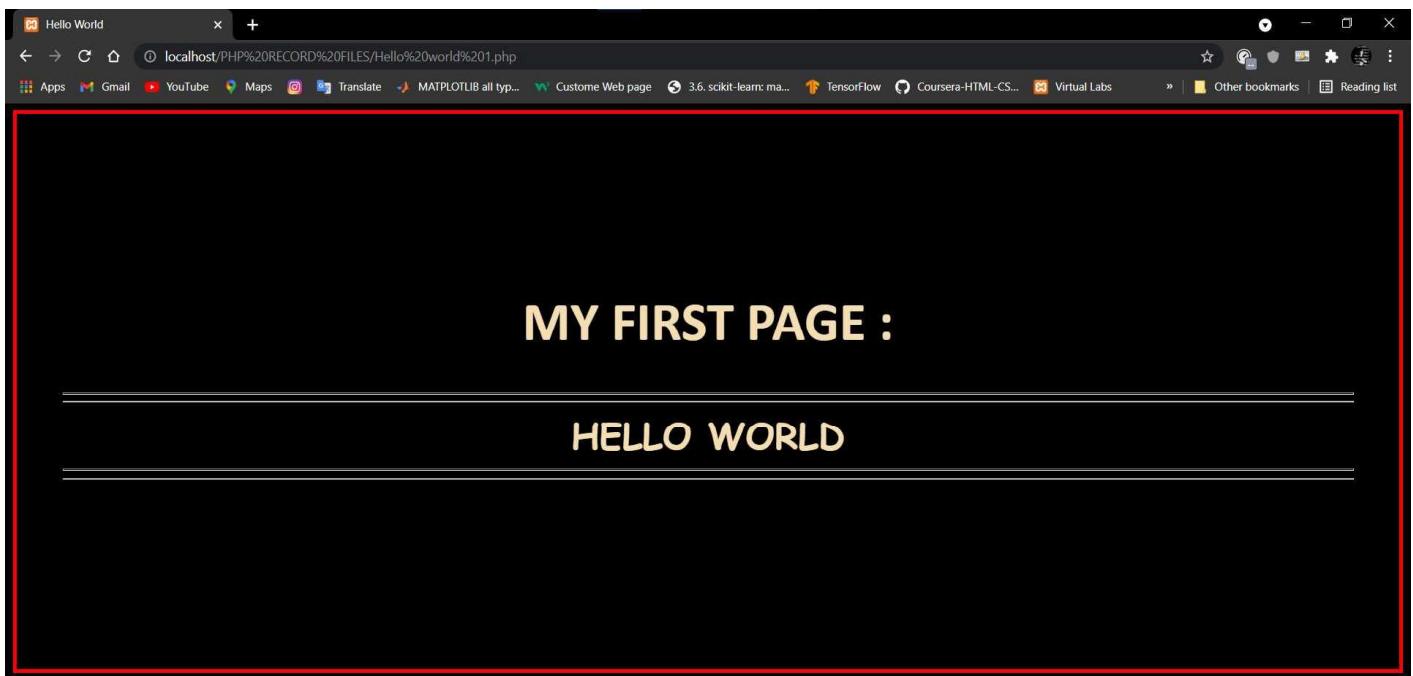
<?php
print("

<center>

<div class='container'>
<h1>MY FIRST PAGE : </h1>
<hr><hr>
<div class='context'>HELLO WORLD</div>
<hr><hr>
</div>
</center>
"
)
?>

</body>
</html>
```

2. OUTPUT



II. EXAMPLE OF PHP INTRODUCTION-HELLO WORLD:

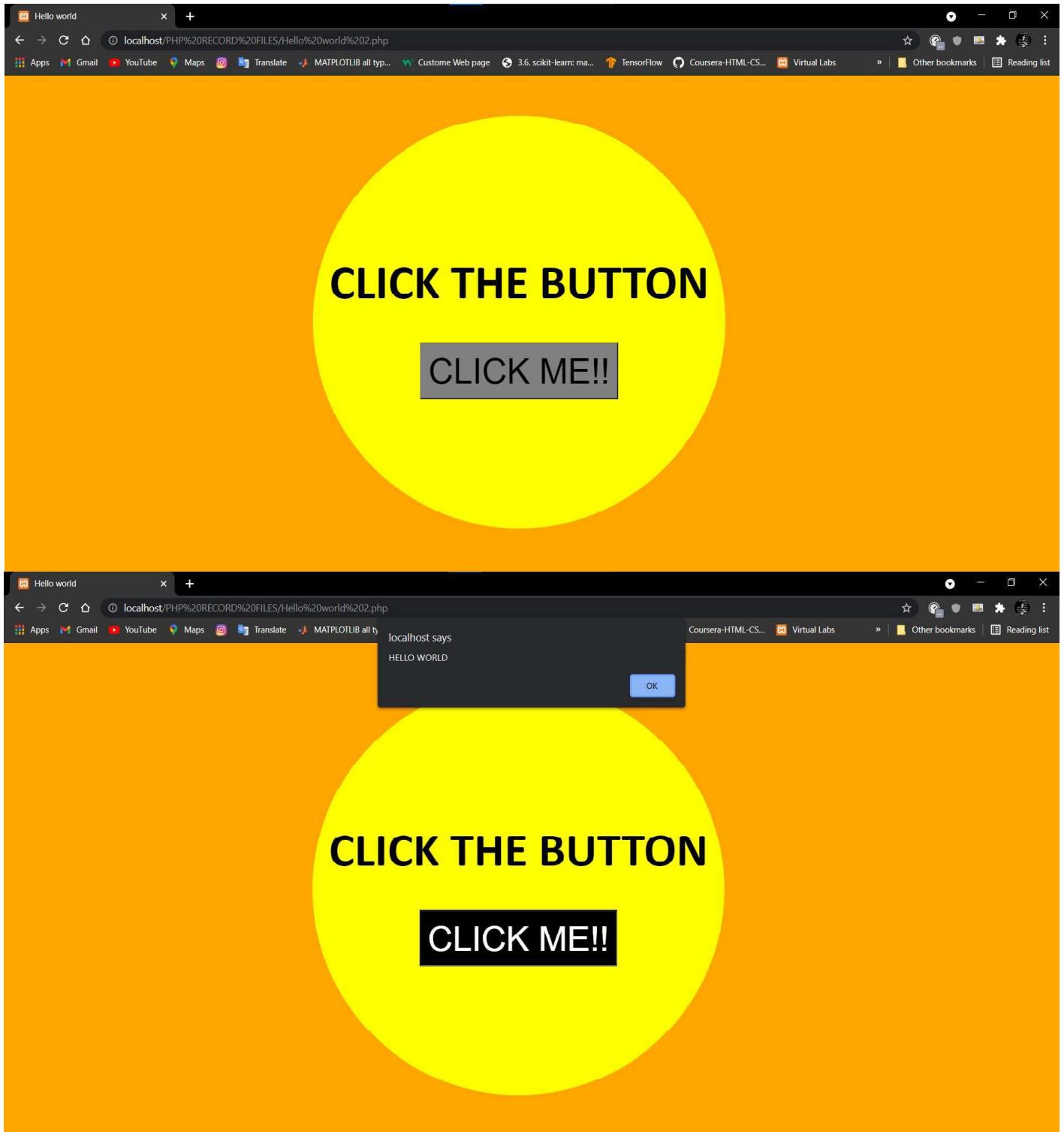
(USING <form></form><script></script> with if block>

1. SOURCE CODE:

```
<!DOCTYPE html>
<html lang='en'>
<head>
    <meta charset='UTF-8'>
    <meta http-equiv='X-UA-Compatible' content='IE=edge'>
    <meta name='viewport' content='width=device-width, initial-scale=1.0'>
    <title>Hello world</title>
    <style>
        body{
            background-color:orange;
        }
        h1{
            font-size:70px;
            margin-top:0;
            position: relative;
            top:200px;
        }
        button {
            padding:10px;
            font-size:50px;
            background-color:grey;
            position: relative;
            top:200px;
        }
        button:hover {
            background-color:black;
            color:white;
        }
        .container {
```

```
border-radius:50%;  
background-color:yellow;  
width:600px;  
height:600px;  
position: relative;  
left:29%;  
top:50px;  
}  
</style>  
</head>  
<body>  
<?php  
echo "  
<div class='container'>  
<center>  
    <h1>CLICK THE BUTTON</h1>  
    <button onclick='Open()'>CLICK ME!!</button>  
</center>  
</div>  
<script>  
    function Open() {  
        alert('HELLO WORLD')  
    }  
</script>  
"  
?>  
  
</body>  
</html>
```

2. OUTPUT



RESULT

Thus the PHP Introduction – Hello World was implemented and executed successfully

13. Variables and Functions in PHP

Exp.No. : 13

Date 05/07/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Variables and Functions in PHP.

I. EXAMPLE OF VARIABLES AND FUNCTIONS IN PHP:

(USING <?php...?>)

1. SOURCE CODE:

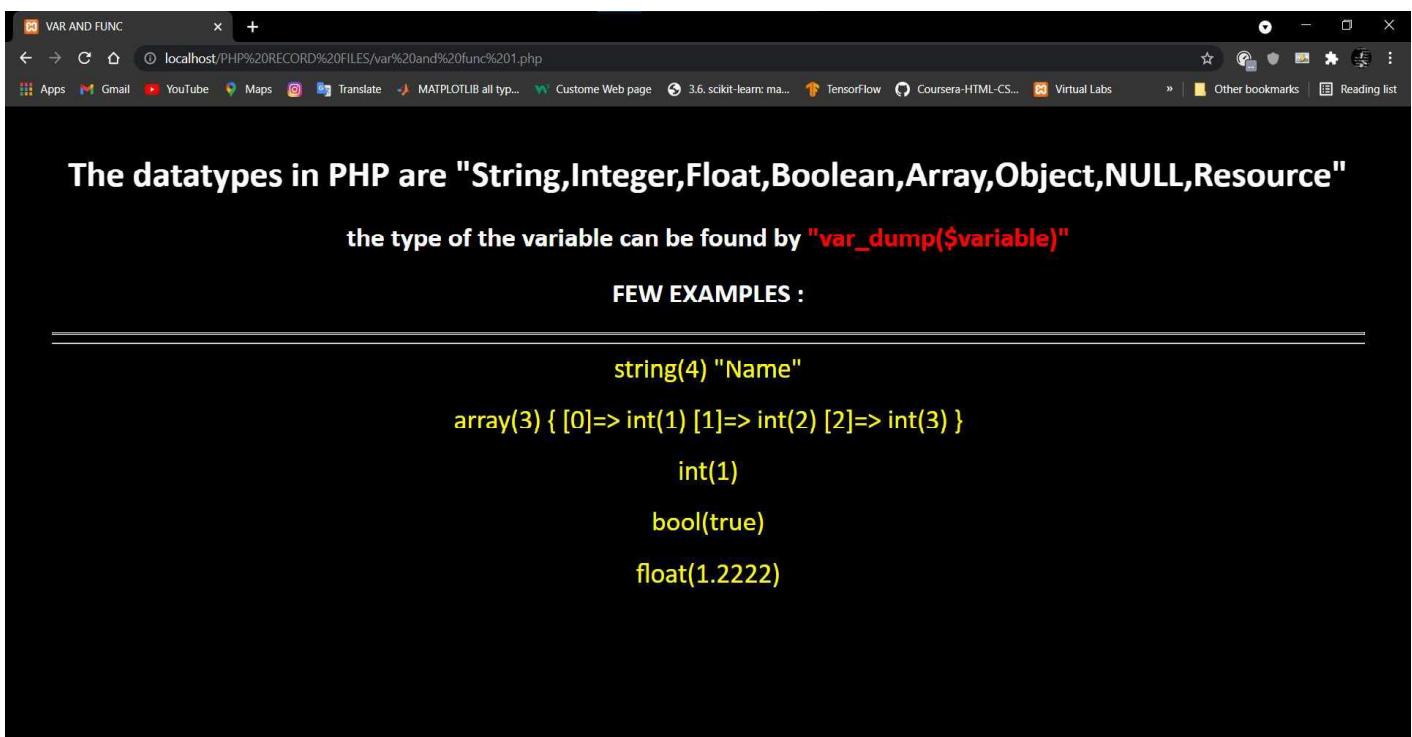
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>VAR AND FUNC</title>
    <style>
        body {
            background-color:black;
            color:white;
            margin:50px;
        }
        h1 {
            font-size: 40px;
        }
        h2{
            font-size: 30px;
        }
        span {
            color: red;
        }
    #out{
```

```
        color:yellow;
        font-size:30px;
    }
</style>
</head>
<body>
<center>
<h1>The datatypes in PHP are "String, Integer, Float, Boolean, Array, Object, NULL, Resource"</h1>
<h2>the type of the variable can be found by <span id="fun">"var_dump($variable)"</span></h2>
<h2>FEW EXAMPLES : </h2>
<hr><hr>
</center>

<?php
function type($inp) {
    echo("<center><div id='out'>");
    echo(var_dump($inp));
    echo("</div><br></center>");
}
type("Name");
type([1,2,3]);
type(1);
type(true);
type(1.2222);
?>

</body>
</html>
```

2. OUTPUT



The screenshot shows a browser window titled "VAR AND FUNC" with the URL "localhost/PHP%20RECORD%20FILES/var%20and%20func%201.php". The page content is displayed in white text on a black background. It starts with a bold statement: "The datatypes in PHP are "String, Integer, Float, Boolean, Array, Object, NULL, Resource"" followed by a note: "the type of the variable can be found by "var_dump(\$variable)"". Below this, the text "FEW EXAMPLES :" is centered. A horizontal line separates the examples from the rest of the page. The examples themselves are also in white text on a black background.

```
string(4) "Name"
array(3) { [0]=> int(1) [1]=> int(2) [2]=> int(3) }
int(1)
bool(true)
float(1.2222)
```

II. EXAMPLE OF VARIABLES AND FUNCTIONS IN PHP:

(USING <?php...?>)

1. SOURCE CODE:

```
<!DOCTYPE html>

<html lang="en">
<head>

    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>VAR AND FUNC</title>

    <style>

        body{
            background-color:grey;
        }

        #in {
            font-size:30px;
            background-color:yellow;
            margin:20px;
        }

        #odd {
            font-size:30px;
            background-color:red;
            margin:20px;
        }

        #even {
            font-size:30px;
            background-color:green;
            margin:20px;
        }

    </style>

</head>
<body>

    <center>
```

```

<h1>ODD AND EVEN NUMBERS : </h1>
</center>

<?php
    $input = "";
    for ($i=1;$i<=40;$i++) {
        $input = $input.strval($i). ",";
    }
    echo("<center><div id='in'>$input</div></center>");
    function O() {
        global $Odd;
        $Odd="";
        for ($i=1;$i<=40;$i++) {
            if (fmod($i,2)!=0) {
                $Odd = $Odd.strval($i). ",";
            }
        }
        O();
    }

    function E() {
        global $Eve;
        $Eve="";
        for ($i=1;$i<=40;$i++) {
//fmod is the default function
            if (fmod($i,2)==0) {
                $Eve = $Eve.strval($i). ",";
            }
        }
        E();
    }
    echo("<center><div id='odd'>ODD--->$Odd</div></center>");
    echo("<center><div id='even'>EVEN--->$Eve</div></center>");
?>
</body>
</html>

```

2. OUTPUT

ODD AND EVEN NUMBERS :

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,

ODD--->1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,

EVEN--->2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,

RESULT

Thus the Variables and Functions in PHP was implemented and executed successfully

14. Control Flow Statements in PHP

Exp.No. : 14

Date 12/07/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Control Flow Statements in PHP.

I. EXAMPLE OF CONTROL FLOW STATEMENTS IN PHP:

(USING <?php...?>)

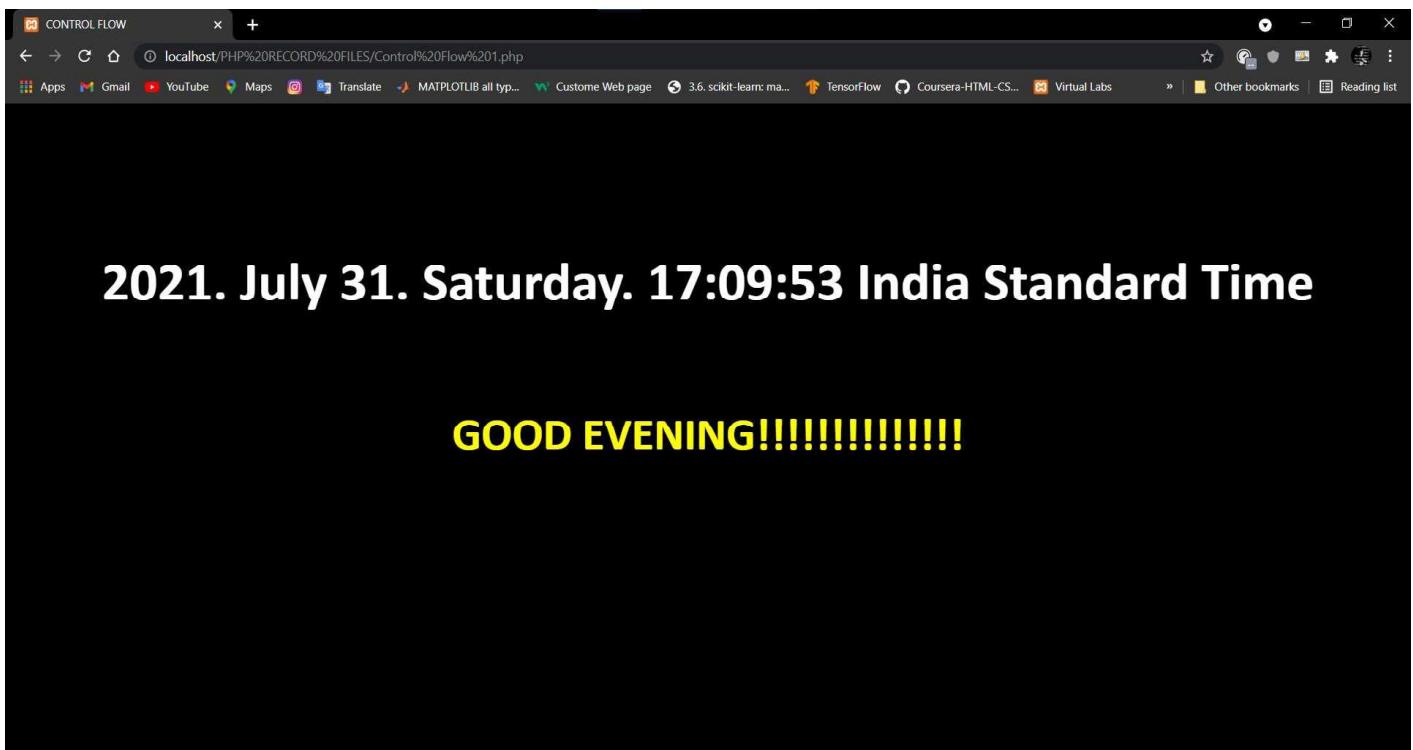
1. SOURCE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>CONTROL FLOW</title>
    <style>
        body{
            background-color:black;
            color:white;
        }
        #time{
            position:relative;
            top:150px;
            font-size:60px;
            text-align:center;
            font-weight:bold;
        }
        #greet {
            position:relative;
            top:250px;
        }
    </style>

```

```
        text-align:center;
        font-size:50px;
        font-weight:bolder;
        color:yellow;
    }
</style>
</head>
<body>
<?php
$stamp =gmstrftime("%Y. %B %d. %A. %X %Z");
echo ("<div id='time'>$stamp</div>");
$mer = date('A');
if ($mer=="AM"){
    echo("<div id='greet'>GOOD MORNING!!!!!!!!!!!!!!</div>");
}
else {
    echo("<div id='greet'>GOOD EVENING!!!!!!!!!!!!!!</div>");
}
?>
</body>
</html>
```

2. OUTPUT



II. EXAMPLE OF CONTROL FLOW STATEMENTS IN PHP:

(USING <?php...?>)

1. SOURCE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>SWITCH</title>
    <style>
        h1{
            font-size:60px;
        }
        body {
            text-align:center;
            background-color:orange;
        }
        select {
            width:max-content;
            font-size:50px;
            padding:15px;
            border:5px solid white;
            background-color:black;
            color:white;
        }

        input[type="submit"]{
            font-size:30px;
            background-color:grey;
            color:black;
        }
        input:hover {
```

```

background-color:whiteSmoke;
}

</style>
</head>
<body>

<h1>CHOOSE THE COURSE :</h1>
<form method="post">
<hr><hr>
<select name="course" id="course">
<option value="B.Tech">B.Tech</option>
<option value="BCA">BCA</option>
<option value="BSc">BSc</option>
<option value="B.Arch">B.Arch</option>
</select><br><hr><hr><br>
<input type="submit" value="SUBMIT" name="submit">
</form>

<?php
if (isset($_POST['submit'])) {
    $out = "";
    $ch = $_POST['course'];
    $out = "<hr><hr>";
    switch ($ch)
    {
        case "BCA":
            $out = "<script>alert('BCA is 3 years course')</script>";
            break;
        case "BSc":
            $out = "<script>alert('Bsc is 3 years course')</script>";
            break;
        case "B.Tech":
            $out = "<script>alert('B.Tech is 4 years course')</script>";
    }
}

```

```
        break;

    case "B.Arch":
        $out = "<script>alert('B.Arch is 5 years course')</script>";
        break;

    default:
        $out = "<script>alert('Wrong Choice')</script>";
        break;
    }

}

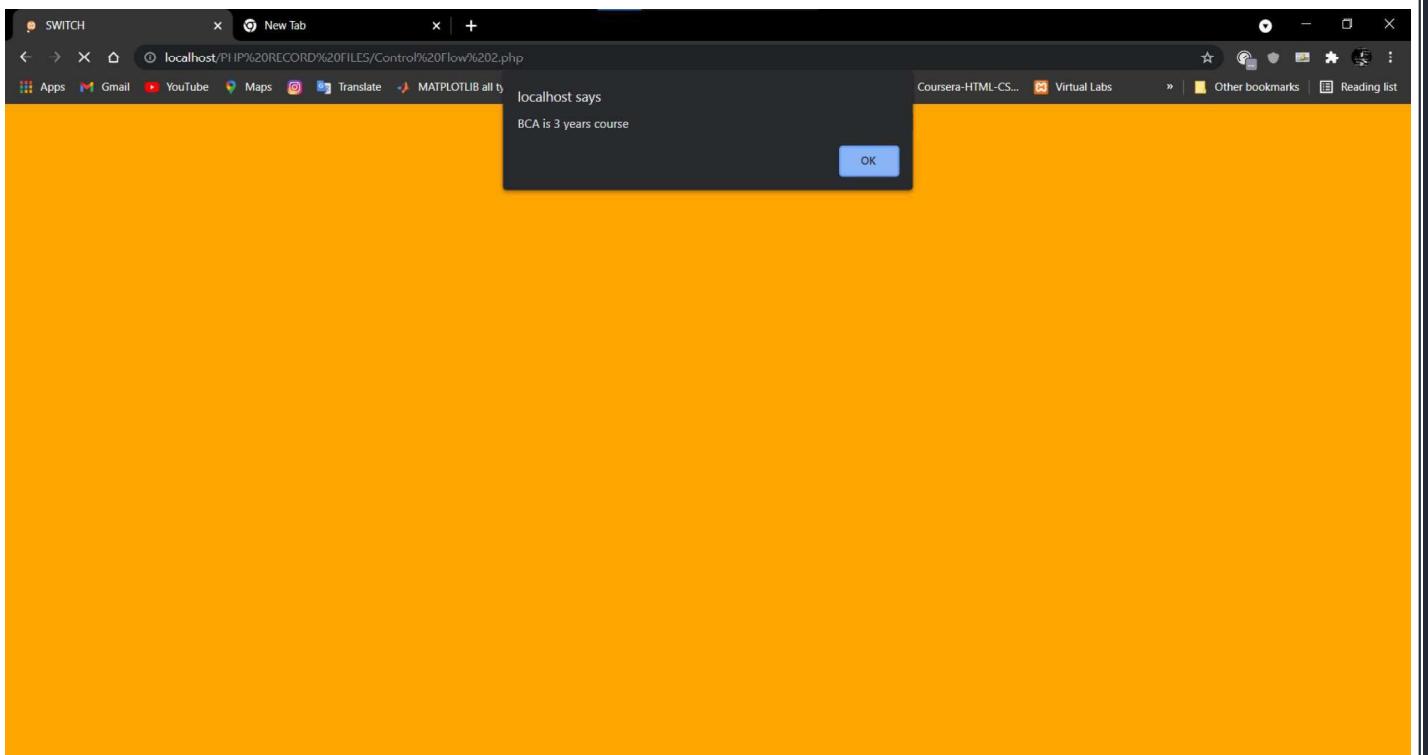
?>
<?php
echo $out;
?>
</body>
</html>
```

2. OUTPUT

A screenshot of a web browser window. The address bar shows the URL `localhost/PHP%20RECORD%20FILES/Control%20Flow%202.php`. The page content is a yellow background with the text "CHOOSE THE COURSE :" at the top. Below it is a black dropdown menu containing the text "B.Tech". At the bottom of the page is a blue "SUBMIT" button.

Now BCA is chosen;

A screenshot of a web browser window, identical to the one above, showing the same yellow background and "CHOOSE THE COURSE :" text. The black dropdown menu now contains the text "BCA". The blue "SUBMIT" button is at the bottom.



RESULT

Thus the Control Flow statements in PHP was implemented and executed successfully

15. Front End and Back End Development using HTML Forms with PHP

Exp.No. : 15

Date 26/07/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Front End and Back End Development using HTML Forms with PHP.

I. EXAMPLE OF FRONT END AND BACK END DEVELOPMENT USING HTML FORMS

WITH PHP:

(USING <?php...?>)

1. SOURCE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Beautiful Form</title>
    <link rel="stylesheet" href="main.css">
    <link href='https://fonts.googleapis.com/css?family=Open+Sans:300,400' rel='stylesheet' type='text/css'>
    <link href='https://fonts.googleapis.com/css?family=Qwigley' rel='stylesheet' type='text/css'>
    <link href="//netdna.bootstrapcdn.com/font-awesome/4.0.3/css/font-awesome.css" rel="stylesheet">

    <style>
        /***** General CSS *****/
        * {
            margin: 0;
            padding: 0;
        }

        body {
            font-family: 'Open Sans', sans-serif;
```

```
font-weight: 322;
color: darkgray;
background:url('bg.jpg');
background-repeat:no-repeat;
background-size: cover;
}

/********** Form CSS *****/
#centered {
    max-width: 300px;
    margin: 50px auto 0;
}

h2 {
    font-family: 'Qwigley', cursive;
    font-size: 5.5em;
    color: #f3f4f6;
    text-shadow: 1px 3px black;
}

input, textarea {
    font-family: 'Open Sans', sans-serif;
    font-weight: 300;
    width: 100%;
    margin: 8px 0;
    text-indent: 1em;
    padding: 10px 0;
    border-radius: 3px;
    border: 1px solid lightgray;
}

input[type="submit"] {
    background-color: #4d90fe;
    color: white;
```

```
border: 1px solid #3079ed;  
}  
  
input[type="submit"]:hover {  
background-color: #4d9aff;  
color: white;  
}  
  
p {  
margin-top: 10px;  
font-size: 0.75em;  
}  
  
footer {  
text-align: center;  
margin-top: 20px;  
}  
  
a {  
color: inherit;  
}  
  
a:hover {  
color: #4d9aff;  
}  
  
i {  
margin: 5px;  
}  
  
#ans{  
background-color: yellow;  
color: black;  
font-size: 30px;
```

```

        width:450px;
        padding:10px;
        position:absolute;
        top:200px;
        right:50px;
        font-weight:900;
    }

    span {
        color:red;
        font-size:22px;
    }

}

</style>
</head>
<body>

<div id="centered">
    <form action="#" method="POST" name="form_for_treehouse_contest">
        <h2>What's Up?</h2>
        <input type="text" name="name" placeholder="Name"><br>
        <input type="email" name="email" placeholder="Email"><br>
        <textarea name="name2" rows="8" placeholder="How was your weekend?"></
        textarea>
        <input type="submit" value="Send" name="submit" id="send"><br>
    </form>
    <footer>
        <a href="https://twitter.com/lopezamuel"><i class="fa fa-twitter"></i></a>
        <a href="mailto:samuel@gmail.com"><i class="fa fa-envelope"></i></a>
    </footer>
</div>

```

<?php

```
if (isset($_POST['submit'])) {
    $name = $_POST['name'];
    $email = $_POST['email'];
    $comment = $_POST['name2'];
    echo "<div id='ans'><u>YOUR ANSWERS:</u><br>Name :<span>$name</span><br>Email : <span>$email</span><br>Comments :<span>$comment</span></div>";
}
?>

</body>

</html>
```

2. OUTPUT

The screenshot shows a web browser window with two tabs. Both tabs have the URL `localhost/PHP%20RECORD%20FILES/form%201.php#`. The top tab displays a form with the title "What's Up?" in a stylized font. The form consists of three input fields: "Name" (containing "Rahul Prasanth D"), "Email" (containing "rahulprasanth2002@gmail.com"), and a message area ("How was your weekend?") which is empty. Below the message area is a blue "Send" button. The bottom tab shows the same form after a submission, with the "Name" and "Email" fields filled with the values entered earlier. The message area now contains the text "I am in my vacation". The background of the form features a large, leafy tree standing on a beach at sunset, with the sun setting behind it.

//After clicking “SEND”

Beautiful Form

localhost/P1 IP%20RECORD%20FILES/form%201.php#

Apps Gmail YouTube Maps Translate MATPLOTLIB all typ... Custom Web page 3.6. scikit-learn: ma... TensorFlow Coursera-HTML-CS... Virtual Labs Other bookmarks Reading list

What's Up?

Name

Email

How was your weekend?

Twitter Email

YOUR ANSWERS:

Name :Rahul Prasanth D
Email : rahulprasanth2002@gmail.com
Comments :I am in my vacation

II. EXAMPLE OF FRONT END AND BACK END DEVELOPMENT USING HTML FORMS

WITH PHP:

(USING <?php... ?>)

1. SOURCE CODE:

```
<?php

if(isset($_POST['sub'])){

    $num1=$_POST['n1'];
    $num2=$_POST['n2'];
    $oprnd=$_POST['sub'];
    if($oprnd=="+")
        $ans=$num1+$num2;
    else if($oprnd=="-")
        $ans=$num1-$num2;
    else if($oprnd=="x")
        $ans=$num1*$num2;
    else if($oprnd=="/")
        $ans=$num1/$num2;

}?

<html>
<head>

<style type="text/css">
    .container
    {
        left: 25%;
        padding: 100px;
        text-align: center;
        border: 1px solid green;

    }
    input, select {
        width: 40%;
        padding: 12px 20px;
        margin: 8px 0;
        display: inline-block;
    }
</style>
</head>
<body>
    <div class="container">
        <form>
            <input type="text" name="n1" placeholder="Enter First Number" />
            <input type="text" name="n2" placeholder="Enter Second Number" />
            <input type="radio" name="sub" value="+" checked="checked" /> Add
            <input type="radio" name="sub" value="-" /> Subtract
            <input type="radio" name="sub" value="x" /> Multiply
            <input type="radio" name="sub" value="/" /> Divide
            <input type="submit" value="Calculate" />
        </form>
    </div>
</body>
</html>
```

```

        border: 1px solid #ccc;
        border-radius: 4px;
        box-sizing: border-box;
    }

    input {
        border: 3px solid black;
    }

    input[type=submit] {
        width: 5%;

        background-color: #4CAF50;
        color: white;
        padding: 14px 20px;
        margin: 8px 0;
        border: none;
        border-radius: 4px;
        cursor: pointer;
    }
}

</style>
</head>
<body>
<div class="container">
<form method="post" action="">
<h1>Simple Calculator</h1>
<br>
First Number:<input name="n1" value="">
<br>
Second Number:<input name="n2" value="">
<br>
<input type="submit" name="sub" value="+">
<input type="submit" name="sub" value="-">
<input type="submit" name="sub" value="x">
<input type="submit" name="sub" value="/">
<br>
<br>Result: <input type='text' value="<?php echo $ans; ?>"><br>

```

```
</form>  
</div>  
</body>  
</html>
```

2. OUTPUT

A screenshot of a web browser window titled "localhost/PHP RECORD FILES/form%202.php?n1=1&n2=2&sub=%2F#". The page displays a "Simple Calculator" form. It has two input fields labeled "First Number" and "Second Number", both currently empty. Below these are four green buttons labeled "+", "-", "x", and "/". At the bottom is a single input field labeled "Result".

A screenshot of a web browser window titled "localhost/PHP%20RECORD%20FILES/form%202.php?n1=1&n2=2&sub=%2F#". The "Simple Calculator" form now shows "101" in the "First Number" field and "98" in the "Second Number" field. The four green buttons remain below the inputs. The "Result" field is empty.

After clicking “x” that is to multiply;

localhost/PHP RECORD FILES/form%202.php?n1=18&n2=2&sub=%2F#

Apps Gmail YouTube Maps Translate MATPLOTLIB all typ... Custom Web page 3.6. scikit-learn: ma... TensorFlow Coursera-HTML-CS... Virtual Labs Other bookmarks Reading list

Simple Calculator

First Number:

Second Number:

Result:

RESULT

Thus the Front End and Back End Development using HTML Forms with PHP was implemented and executed successfully

16. Web application with Database support using PHP.

Exp.No. : 16

Date 26/07/2021

(IT5211 Information Technology Essentials Laboratory)

AIM

To learn and work with Web application with Database support using PHP

I. EXAMPLE OF WEB APPLICATION WITH DATABASE SUPPORT USING PHP:

(USING <?php...?>)

1. SOURCE CODE:

SQL COMMANDS:

DATABASE NAME: **tnea**

TABLE NAME:**students_details**

Note: We can create the content of the table in PHPMYADMIN page

File 1 -> index.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TNEA</title>
    <link rel="stylesheet" href="index_style.css">
    <script src="tot_marks.js"></script>
    <script src="mobile_no_ver.js"></script>
</head>
<body>
    <center><header class="header"><span>TNEA REGISTRATION</span></header></center>
    <center>
```

```

<div class="container">
    <form action="main.php" name="form" id="form" method="POST">
        <table>
            <tr>
                <td>FIRST NAME : </td>
                <td><input required type="text" name="firstname" required></td>
            </tr>
            <tr>
                <td>LAST NAME : </td>
                <td><input type="text" name="lastname" id="name"></td>
            </tr>
            <tr>
                <td>EMAIL ID : </td>
                <td><input required type="email" name="email" id="email"></td>
            </tr>
            <tr>
                <td>PHONE NUMBER : </td>
                <td><input required type="text" name="number" id="number" oninput="m
ob()"> <span id="err" style="font-size:20px;"></span></td>
            </tr>
            <tr>
                <td>ADDRESS : </td>
                <td><textarea name="address" id="address" cols="35" rows="4" placehol
der="Address"></textarea></td>
            </tr>
            <tr>
                <td>DOB : </td>
                <td>
                    <select name="day" id="day">
                        <?php
                            for ($i=1;$i<=31;$i++) {
                                echo "<option>$i</option>";
                            }
                        ?>

```

```

        </select>/
        <select name="month" id="month">
        <?php
            for ($i=1;$i<=12;$i++) {
                echo "<option>$i</option>";
            }
        ?>
        </select>/
        <select name="year" id="year">
        <?php
            for ($i=2000;$i<=2005;$i++) {
                echo "<option>$i</option>";
            }
        ?>
        </select>
    </td>

    </tr>
    <tr>
        <td>GENDER : </td>
        <td id="gen">
            <input required type="radio" name="gender" value="male">
            <label for="male">MALE</label>
            <input required type="radio" name="gender" value="female">
            <label for="female">FEMALE</label>
        </td>
    </tr>
    <tr>
        <td>12TH MARKS : </td>
        <td><!--for marks entry-->
            <div id="marks">
                <table style="border-collapse: collapse;" oninput="tot()">
                    <tr>
                        <td>

```

```

<select name="lang" id="lang">
    <option value="tamil">Tamil</option>
    <option value="hindi">Hindi</option>
    <option value="french">French</option>
</select>
</td>
<td><input required type="text" name="lang_marks" id="lang_marks" placeholder="..../100"></td>
</tr>
<tr>
    <td>English : </td>
    <td><input required type="text" name="eng_marks" id="eng_marks" placeholder="..../100"></td>
</tr>
<tr>
    <td>Maths : </td>
    <td><input required type="text" name="math_marks" id="math_marks" placeholder="..../100"></td>
</tr>
<tr>
    <td>Physics : </td>
    <td><input required type="text" name="phy_marks" id="phy_marks" placeholder="..../100"></td>
</tr>
<tr>
    <td>Chemistry : </td>
    <td><input required type="text" name="chem_marks" id="chem_marks" placeholder="..../100"></td>
</tr>
<tr>
    <td>
        <select name="core" id="core">
            <option value="bio">Biology</option>
            <option value="cs">Computer Science</option>

```

```

        </select>
    </td>
    <td><input required type="text" name="core_marks" id="core_ma
rks" placeholder="..../100"></td>
    </tr>
    <tr>
        <td style="font-size: 50px;">TOTAL : </td>
        <td><input required type="text" name="total" id="total" style="bac
kground-color:black;color:white;"></td>
    </tr>
</table>
</div>
</td>
</tr>
<tr>
    <td>SCHOOL NAME : </td>
    <td><input required type="text" name="schoolname" id="schoolname"></
td>
    </tr>
    <tr>
        <td>MODE OF STUDY : </td>
        <td>
            <select name="mode" id="mode">
                <option value="HSE">TN HSE</option>
                <option value="CBSE">CBSE</option>
            </select>
        </td>
    </tr>
    <tr>
        <td>AADHAR No : </td>
        <td><input required type="text" name="aadhar" id="aadhar" oninput="mo
b()"><span id="aer" style="font-size:20px;"></span></td>
    </tr>
    <tr>

```

```

<td>FATHER'S NAME : </td>
<td><input required type="text" name="dad" id="dad"></td>
</tr>
<tr>
<td>MOTHER'S NAME : </td>
<td><input required type="text" name="mom" id="mom"></td>
</tr>
<tr>
<td>PARENT'S MOBILE NO : </td>
<td><input required type="text" name="par_no" id="par_no" oninput="mo
b()"><span id="err2" style="font-size:20px;"></span></td>
</tr>
<tr>
<td>COMMUNITY : </td>
<td>
<select name="comm" id="comm">
<option value="BC">BC</option>
<option value="MBC">MBC</option>
<option value="SC">SC</option>
<option value="ST">ST</option>
<option value="others">Others</option>
</select>
</td>
</tr>
<tr>
<td><button type="submit">SUBMIT</button></td>
<td><button type="reset"><a href="index.php">RESET</a></button></td>
</tr>
</table>

</form>
</div>
</center>
</body>

```

```
</html>
```

File 2: **index style.css**

```
body {  
    background-color: cornsilk;  
    margin: 2%;  
    background-image: repeating-radial-gradient(orange,rgb(240, 65, 65),yellow) ;  
}  
.container {  
    font-size:40px;  
    width: max-content;  
    position: relative;  
    top: 25px;  
}  
  
td {  
    padding: 25px 15px;  
}  
#marks td,#gen{  
    font-size: 25px;  
}  
.header {  
    background-color: chartreuse;  
    box-shadow: 0px 0px 10px black;  
    padding: 20px;  
    font-size: 40px;  
    text-align: center;  
    text-shadow: 0px 2px 5px red;  
    animation: glow 1s ease-in-out infinite alternate;  
    max-width: 600px;  
    border-radius: 100px 100px 100px 100px;  
}  
@keyframes glow {  
    from {  
        text-shadow: 5px 5px 5px red,2px 2px 2px black ;  
    }  
    to {  
        text-shadow: 0px 2px 5px red,1px 3px 5px rgb(240, 104, 126);  
    }  
}
```

```
blink {
    color: red;
}

#marks table tr td {
    border-top: 2px solid black;
    border-bottom: 2px solid black;
    background-image: linear-gradient(rgba(255, 255, 255, 0.733),darkgray,gray);
    font-weight: bolder;
}

input[type="text"],input[type="tel"],input[type="number"],input[type="email"],button{
    width: 450px;
    height: 50px;
    font-size: 30px;
}
input[type="radio"] {
    font-size: 45px;
    width: 25px;
    height: 20px;
}
textarea {
    font-size: 30px;
}

select {
    font-size: 35px;
}
option {
    font-size: 20px;
}

button {
    margin-top: 100px;
}
button a{
    text-decoration: none;
    color: black;
}
button:hover,button:active a{
    background-color: black;
    color: white;
}
```

File 3 : **main.php**

```
<?php

$First_name = $_POST['firstname'];
$Last_name = $_POST['lastname'];
$email_id = $_POST['email'];
$mob_number = $_POST['number'];
$address = $_POST['address'];

//DOB:
$day = $_POST['day'];
$month = $_POST['month'];
$year = $_POST['year'];
$DOB =($day)."-".$month."-".$year;

$gender = $_POST['gender'];
$lang = (int)$_POST['lang_marks'];
$eng = (int)$_POST['eng_marks'];
$maths = (int)$_POST['math_marks'];
$phy = (int)$_POST['phy_marks'];
$chem = (int)$_POST['chem_marks'];
$bio_cs = (int)$_POST['core_marks'];
$total = (int)$_POST['total'];

//CUT_OFF
$cut_off = ($maths+($phy+$chem)/2);

$school = $_POST['schoolname'];
$mode = $_POST['mode'];
$aadhar = $_POST['aadhar'];
$father = $_POST['dad'];
$mother= $_POST['mom'];
$par_num = $_POST['par_no'];
$community = $_POST['comm'];

if (!empty($First_name)||!empty($Last_name)||!empty($email_id)||!empty($mob_number)||!empty($address)||!empty($DOB)||!empty($gender)||!empty($lang)||!empty($eng)||!empty($maths)||!empty($phy)||!empty($chem)||!empty($bio_cs)||!empty($total)||!empty($cut_off)||!empty($school)||!empty($mode)||!empty($aadhar)||!empty($father)||!empty($mother)||!empty($par_num)||!empty($community)) {

$host = "localhost";
$dbusername = "root";
```

```

$dbpassword = "";
$dbname = "tnea";

$connection = new mysqli($host,$dbusername,$dbpassword,$dbname);
if (mysqli_connect_error()) {
    die("Error in connecting to server('. mysqli_connect_errno(). ')".mysqli_connect_error());
}
else {
    $SELECT = "SELECT email FROM students_details WHERE email = ? Limit 1";
    $INSERT = "INSERT into students_details (First_name,Last_name,email,phone_no,Address,DOB,Gender,Lang_sub,English,Maths,Biology_CS,Physic,Chemistry,Total,Cut_Off,School_Name,Board,Aadhar_No,Father_Name,Mother_Name,Parent_No,Community) VALUES (?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?)";
}

//preparing
$stmt = $connection->prepare($SELECT);
$stmt -> bind_param("s",$email_id);
$stmt->execute();
$stmt->bind_result($email_id);
$stmt->store_result();

$row_num = $stmt->num_rows();

if ($row_num==0) {
    $stmt->close();
    $stmt = $connection->prepare($INSERT);
    $stmt-
>bind_param("ssssssssssssssssss", $First_name, $Last_name, $email_id, $mob_number, $address, $DOB, $gender, $lang, $eng, $maths, $phy, $chem, $bio_cs, $total, $cut_off, $school, $mode, $aadhar, $father, $mother, $par_num, $community);
    $stmt->execute();
    echo "<h1 style='font-size:50px;text-align:center;'>Thank You!!!</h1>";
}
else {
    echo "<h1 style='font-size:50px;text-align:center;'>SomeOne already Registered with your email!!!</h1>";
}
$stmt->close();
$connection->close();
}
}
else {
    echo "Fill all the details";
}

```

```
    die();
}
?>
```

/VISUALIZATION OF DATA IN FORM OF TABLE:

```
<style>
table,th,td{
    border: 2px solid black;
    border-collapse: collapse;
}
th {
    background-color: chartreuse;
}
tr {
    background-color: burlywood;
}
h1 {
    text-align: center;
}
</style>
<?php
```

```
echo "<h1>DATA IN DATABASE</h1>";
$conn = mysqli_connect("localhost","root","","tnea");
$sql = "SELECT * FROM students_details";
$query = mysqli_query($conn,$sql);
```

```
$columns = ['First_name','Last_name','email','phone_no','Addres','DOB','Gender','La
ng_sub','English','Maths','Biology_CS','Physic','Chemistry','Total','Cut_Off','School_Name','
Board','Aadhar_No','Father_Name','Mother_Name','Parent_No','Community'];
```

```
if ($query = mysqli_query($conn,$sql)) {
    if (mysqli_num_rows($query)>0) {
```

```
echo "<table>";
echo "<tr>";
for ($i=0;$i<count($columns);$i++) {
    echo "<th>".$columns[$i]."</th>";
}
echo "</tr>";
while ($row = mysqli_fetch_array($query)) {
    echo "<tr>";
    for ($i=0;$i<count($columns);$i++){
        echo "<td>".$row[$columns[$i]]."</td>";}
    echo "</tr>";
}
echo "<table>";

}

mysqli_free_result($query);

}else {
    "Erro!!!".mysqli_error($conn);
}

mysqli_close($conn);
?>
```

2. OUTPUT

TNEA REGISTRATION

FIRST NAME :

LAST NAME :

EMAIL ID :

PHONE NUMBER :

ADDRESS :

DOB :

GENDER : MALE FEMALE

Tamil	90
English :	95
Maths :	100
Physics :	98
Chemistry :	90
Computer Science	100
TOTAL :	573

SCHOOL NAME :

MODE OF STUDY :

AADHAR No :

FATHER'S NAME :

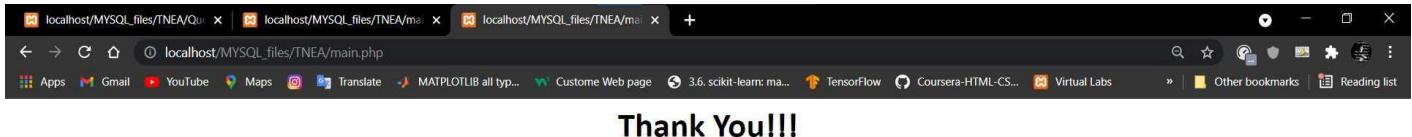
MOTHER'S NAME :

PARENT'S MOBILE NO :

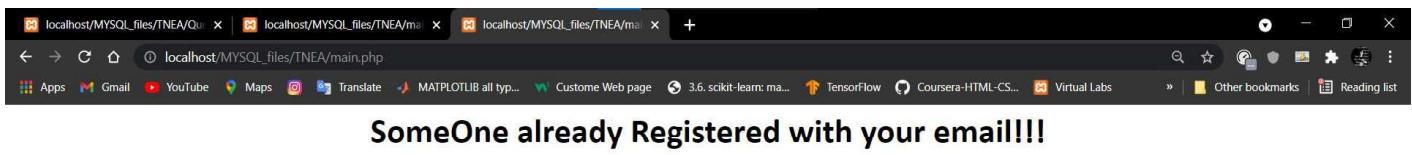
COMMUNITY :

SUBMIT **RESET**

//AFTER SUBMITTING



//If someone already registered with same email



VISUALIZATION OF DATABASE IN FORM OF TABLE:

localhost/MySQL_files/TNEA/Ques localhost/MySQL_files/TNEA/main localhost/MySQL_files/TNEA/main +

Apps Gmail YouTube Maps Translate MATPLOTLIB all typ... Custom Web page 3.6. scikit-learn: ma... TensorFlow Coursera-HTML-CS... Virtual Labs Other bookmarks Reading list

DATA IN DATABASE

First_name	Last_name	email	phone_no	Address	DOB	Gender	Lang_sub	English	Maths	Biology_CS	Physic	Chemistry	Total	Cut_Off	School_Name	Board	Aadhar_No	Father_Name	Mother_Name	Parent_No	Commun
Rahul	Prasanth D	xyz@gmail.com	2147483647	abc@5th st,638502	1-5-2002	male	90	100	100	100	90	100	580	195	grace	HSE	2147483647	dad	mom	9842123456	BC
Rahul	Dravid	12322@gmail.co	1111111111	abc@5th st,638502	18-5-2001	male	90	95	99	100	90	100	574	194	BVB	HSE	2147483647	APPA_DAD	AMMA_MOM	1842123456	BC
JAVID	BHAI	JAVID@gmail.com	1123423423	abc@5th st,638502	11-9-2002	male	90	95	99	98	90	85	557	193	Kongu	CBSE	2147483647	father	mother	8882123456	MBC
ZUKER		zuck@yahoo.com	2147483647	abc@5th CA	11-9-2004	male	96	95	91	95	90	96	563	183	St.Forts	CBSE	2147483647	Jack	Ramsy	2182123456	others

TABLE HAS NAMES START WITH 'R'

First_name	Last_name	email	phone_no	Address	DOB	Gender	Lang_sub	English	Maths	Biology_CS	Physic	Chemistry	Total	Cut_Off	School_Name	Board	Aadhar_No	Father_Name	Mother_Name	Parent_No	Community
Rahul	Prasanth D	xyz@gmail.com	2147483647	abc@5th st,638502	1-5-2002	male	90	100	100	100	90	100	580	195	grace	HSE	2147483647	dad	mom	9842123456	BC
Rahul	Dravid	12322@gmail.co	1111111111	abc@5th st,638502	18-5-2001	male	90	95	99	100	90	100	574	194	BVB	HSE	2147483647	APPA_DAD	AMMA_MOM	1842123456	BC

II. EXAMPLE OF WEB APPLICATION WITH DATABASE SUPPORT USING PHP:

(USING <?php...?>)

1. SOURCE CODE:

DATABASE NAME: **tnea**

TABLE NAME:**movie_reviews**

Note: We can create the content of the table in PHPMYADMIN page

***INDEX PAGE THAT SHOWS THE CONTENT IN THE DATABASE: WITH A FILE NAME index.php.**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>REVIEWS</title>
</head>

<style>

a {
    color:black;
    text-decoration:none;
    padding:10px;
    font-size:30px;
}

table,th,tr,td {
    border:2px solid black;
    border-collapse:collapse;
    padding:10px;
}
```

```

        font-size:30px;
    }
    th {
        background-color: yellow;
        color:black;
    }
    table {
        width:100%;
    }
    tr:nth-child(odd) {
        background-color:rgb(49, 50, 51);
    }
    button {
        border:5px solid white;
        background:green;
    }

    button:hover {
        background-color:pink;
        border:5px solid red;
    }
</style>
<body style="background:black;color:white;">
<center>
    <h1 style="font-size:40px;"><u>MOVIE REVIEWS</u></h1>
    <button><a href="review.php">ADD REVIEW</a></button>
</center>

<?php
    $conn = mysqli_connect("localhost", "root", "", "tnea");
    if ($conn->connect_error) {
        echo "<script>alert('ERROR IN CONNECTING WITH YOUR DATABASE')";
    }(</script>);

```

```

}

else {

    $sql = "SELECT * FROM movie_reviews";
    $res = $conn->query($sql);
    $row = $res->fetch_array();

    if ($res->num_rows>0) {
        echo "<br><br><table>";
        echo "<tr>";
        echo "<th>NAME</th>";
        echo "<th>EMAIL</th>";
        echo "<th>MOVIE NAME</th>";
        echo "<th>REVIEW</th>";
        echo "</tr>";
        while ($row = mysqli_fetch_array($res)) {
            echo "<tr>";
            echo "<td>".$row['Name']."</td>";
            echo "<td>".$row['email']."</td>";
            echo "<td>".$row['movie']."</td>";
            echo "<td>".$row['review']."</td>";
            echo "</tr>";
        }
        echo "</table>";
    }

}

?>
</body>
</html>

```

***AFTER CLICK THE BUTTON IT WILL REDIRECT TO FORMS:** WITH A FILE NAME
review.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        body{
            background:black;
            color:white;
            background-repeat:no-repeat;
            background-size:cover;
            background-image:url("https://images.unsplash.com/photo-1513106580091-1d82408b8cd6?ixid=MnwzMjA3fDB8MHxzZWFrY2h8MjR8fG1vdmlfGVufDB8fDB8fA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80");
        }
        input,textarea {
            font-size:30px;
            padding:15px;
            background:rgb(183, 247, 196);
            border:5px solid white;
            background-image:url("http://3.bp.blogspot.com/-696aCZlQB7w/UX3SI85p9oI/AAAAAAAAtVk/1rRCR6z6e1w/s1600/Movies+hd+Wallpapers+(6).jpg");
            background-size:100% 100%;
            color:white;
        }
        input[type="submit"] {
```

```

background:yellow;
border-radius:10px;
color:black;
}

input[type="submit"]:hover {
background:white;
}

</style>
</head>
<body>
<center>
<h1><u>REVIEW YOUR FAVOURITE MOVIE : </u></h1>
<form method="POST">
<input type="text" name="name" placeholder="name..." required><br><b
r>
<input type="email" name="email" placeholder="example@gmail.com" re
quired><br><br>
<input type="tel" name="movie" placeholder="Movie Name..." required><br><br>
<textarea name="review" id="review" cols="22" rows="5" placeholder="R
EVIEW....." required></textarea>
<br><br>
<input type="submit" value="SUBMIT" name="submit">
</form>
</center>

<?php

if (isset($_POST['submit'])==TRUE){
$conn = new mysqli("localhost","root","","tnea");

if ($conn->connect_error) {
echo "ERROR";
}
}

```

```
}

$name = $_POST['name'];
$email = $_POST['email'];
$movie = $_POST['movie'];
$review = $_POST['review'];
$sql = "INSERT INTO `movie_reviews`(`Name`, `email`, `movie`, `review`)
VALUES ('$name','$email','$movie','$review')";

if ($conn->query($sql)===FALSE) {
    echo "<div id='err'>ERROR <br><br>$conn->error</div>";
}
else {
    header('Location:index.php');
}
?>
</body>
</html>
```

2. OUTPUT

NAME	EMAIL	MOVIE NAME	REVIEW
JACK	HRHD@gmail.com	Fist if fury	It is an ossum one from BRUCE LEE
Rocky	abc@gmail.com	F9	NICE
kumar	12322@gmail.co	KGF	OSSUM entertainment
Tony	Lee@yahoo.com	MASTER	Boring

After clicking “ADD REVIEW”, it will redirect

REVIEW YOUR FAVOURITE MOVIE :

name...

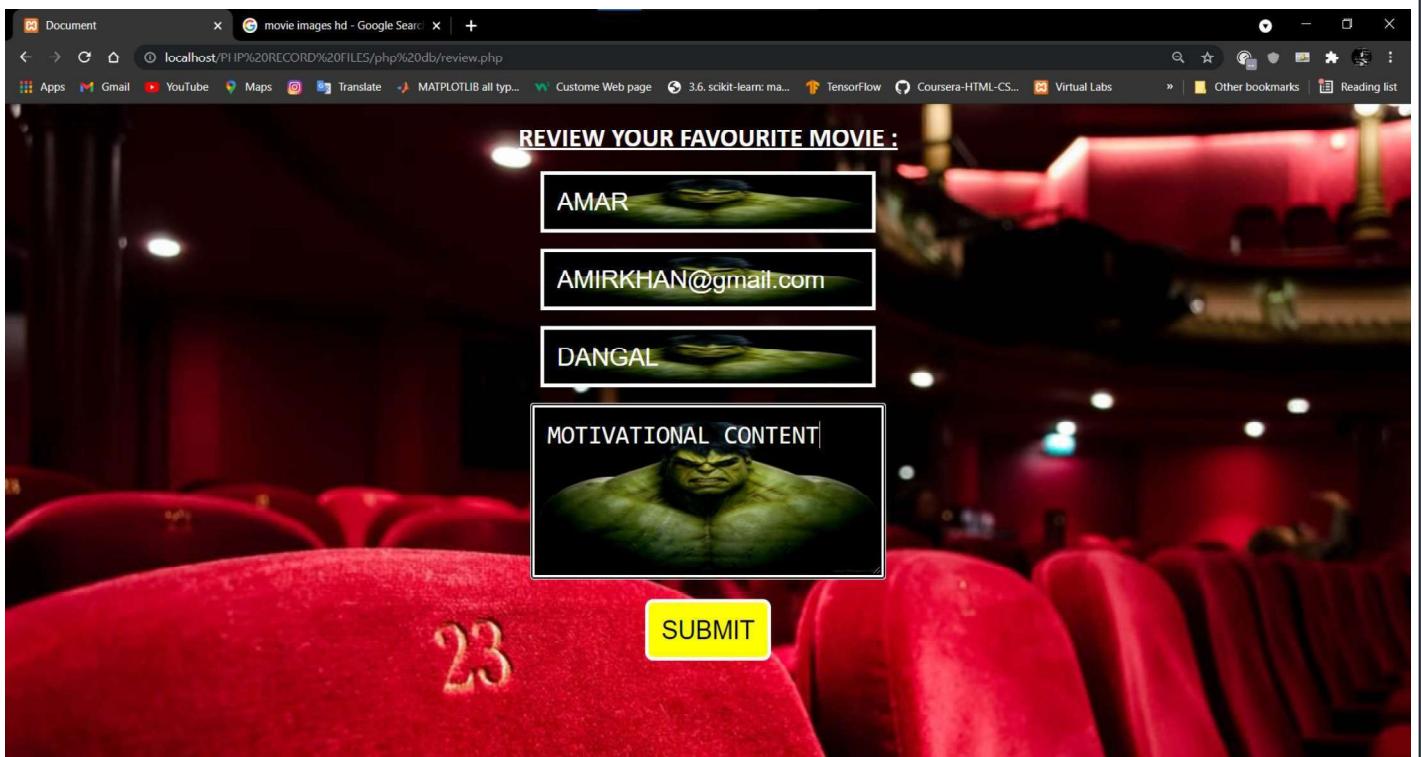
example@gmail.com

Movie Name...

REVIEW.....

SUBMIT

Now fill the form;



After clicking submit it will redirect to index page;

<u>MOVIE REVIEWS</u>			
NAME	EMAIL	MOVIE NAME	REVIEW
JACK	HRHD@gmail.com	Fist if fury	It is an ossum one from BRUCE LEE
Rocky	abc@gmail.com	F9	NICE
kumar	12322@gmail.co	KGF	OSSUM entertainment
Tony	Lee@yahoo.com	MASTER	Boring
AMAR	AMIRKHAN@gmail.com	DANGAL	MOTIVATIONAL CONTENT

RESULT

Thus the Web application with Database support using PHP using HTML Forms with PHP was implemented and executed successfully

