

EX: 1-A Create a web page to embed a map along with hotspot, frames and links.

DATE: 09-08-2022

AIM:

To create a web page to embed a map along with hotspot, frames and links.

ALGORITHM:

1. Write the root tag <html> to create the web page.
2. Inside <body> tag, add tag with attributes src="map.png", alt="India Map", usemap="#workmap", width="2500" and height="2500"
3. Add <map name="workmap"> to link with the image.
4. Inside <map> tag, add <area> tag to define the hotspots.
5. <area> tag includes shape="poly", cords="" for coordinates for each state and href="" for redirecting to a link.
6. Close all the tag after their completion.

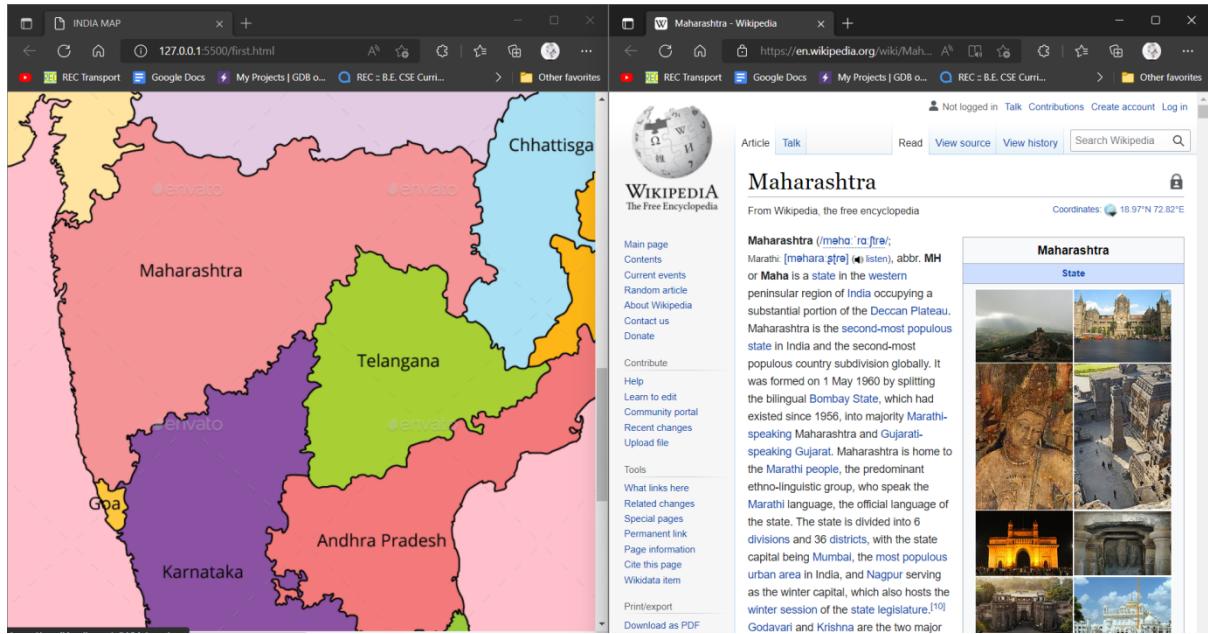
HTML code:

```
<!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>INDIA MAP</title>
</head>
```

```
<body bgcolor="PINK">
<font face="Monotype Corsiva" color="BLUE" size="6">
    <marquee direction="left" behavior="alternate">INDIA MAP
    </marquee>
</font>
<hr size="6" color="RED">
<br>
<br>
<br>

<map name="pagemap">
    <area shape="poly" coords="846, 2054, 926, 2014, 931, 1966, 968, 1970, 1095,
1913, 1063,
2023, 1068, 2142, 1028, 2139, 987, 2222, 938, 2246, 934, 2286, 866, 2318, 896,
2192, 846,
2054" href="https://en.wikipedia.org/wiki/Tamil_Nadu" target="_blank">
    <area shape="poly" coords="819, 2029, 709, 1951, 666, 1789, 697, 1659, 907,
1541, 849,
1811, 967, 1915, 819, 2029" href="https://en.wikipedia.org/wiki/Karnataka"
target="_blank">
    <area shape="poly"
coords="619,1718,582,1398,1121,1365,681,1294,619,1391,1121,1369,617,1727,778,
1396,1121,1365"
    href="https://en.wikipedia.org/wiki/Maharashtra" target="_blank">
</map>
</body>
```

OUTPUT:**RESULT:**

The web page to embed a map along with hotspot, frames and links is successfully created.

EX: 1-B

Create a web page for class Timetable

DATE: 10-08-2022

AIM:

To create a web page for class timetable using html,css

ALGORITHM:

1. Begin with the root tag <html> to create the web page.
2. Internal and External CSS can be set up only inside the header.
3. <style>body {.....}</style> is the format of Internal CSS.
4. <link rel="stylesheet" href="filename.css"> is used to link the external CSS file.
5. Inline CSS is used inside the tags like <body style="text-align: left;">.....</body>
6. Use table format for creating timetable
7. Add color,size and padding for the timetable

HTML 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>TIME TABLE</title>
<link rel="stylesheet" href="tt.css">
</head>
<body>
<h1 style="text-align:center">TIMETABLE FOR CSE-B 3RD YEAR</h1>
```

```
<br>
<br>
<br>
<table style="width:100%">
<tr>
    <th>PERIOD</th>
    <th>1</th>
    <th>2</th>
    <th>BREAK TIME</th>
    <th>3</th>
    <th>4</th>
    <th>LUNCH TIME</th>
    <th>5</th>
    <th>6</th>
    <th>7</th>
</tr>
<tr>
    <td>Timing</td>
    <td style="text-align:center">8.00 to 9.00</td>
    <td style="text-align:center">9.00 to 9.50</td>
    <td rowspan="7" style="text-align:center">9.50-10.00</td>
    <td style="text-align:center">10.10 to 11.00</td>
    <td style="text-align:center">11.00 to 11.50</td>
    <td style="text-align:center">11.50-12.30</td>
    <td style="text-align:center">12.30 to 1.20</td>
    <td style="text-align: center">1.20 to 2.10</td>
    <td style="text-align: center">2.10 to 3.00</td>
</tr>
<tr>
```

<td>Monday</td>	<td colspan="2" style="text-align:center">POAI</td>		
	<td colspan="2" style="text-align:center">IP/CN LAB</td>		
	<td style="text-align:center">LUNCH</td>		
	<td style="text-align:center">CN</td>		
	<td colspan="2" style="text-align:center">POAI/IP LAB</td>		
<tr>			
<td>Tuesday</td>	<td style="text-align:center">TOC</td>		
	<td style="text-align:center">CN</td>		
	<td style="text-align:center">CN</td>		
	<td style="text-align:center">LUNCH</td>		
	<td colspan="2" style="text-align:center">CN/POAI LAB</td>		
	<td style="text-align:center">LIB</td>		
	<td style="text-align:center">COUNSELLING HOUR</td>		
</tr>			
<tr>			
<td>Wednesday</td>	<td colspan="2" style="text-align:center">DM/CG</td>		
	<td colspan="2" style="text-align:center">IP</td>		
	<td style="text-align:center">TOC</td>		
	<td style="text-align:center">LUNCH</td>		
	<td colspan="2" style="text-align:center">RPA/SCM LAB</td>		
</tr>			
<tr>			
<td>Thursday</td>			

```
<td colspan="2" style="text-align:center">TOC</td>

<td style="text-align:center">IP</td>

<td style="text-align:center">LUNCH</td>
<td COLSPAN="2" style="text-align:center">DM/CG LAB</td>
<td COLSPAN="2" style="text-align:center">CN/IP LAB</td>
</tr>

<tr>
    <td>Friday</td>
    <td colspan="2" style="text-align:center">POAI</td>

    <td colspan="2" style="text-align:center">CN/IP LAB</td>
    <td style="text-align:center">LUNCH</td>
    <td style="text-align:center">CN</td>
    <td colspan="2" style="text-align:center">POAI/IP LAB</td>
</tr>

<tr>
    <td>Saturday</td>
    <td colspan="2" style="text-align:center">IP/CN LAB</td>

    <td style="text-align:center">CN</td>

    <td colspan="2" style="text-align:center">RPA/SCM LAB</td>
    <td style="text-align:center">LUNCH</td>
    <td colspan="2" style="text-align:center">VAP</td>
</tr>

</table>
```

```
</body>
```

```
</html>
```

CSS Code:

```
table,th,td
{
    border: 3px solid black;
    border-color:rgb(83, 43, 226);
}
th,td{
    padding: 15px;
}
th,td,tr:nth-child(odd),td:nth-child(odd)
{
    background-color: rgba(105, 169, 194, 0.4);
}
tr,td,th:nth-child(even),td:nth-child(even)
{
    background-color: rgba(94, 170, 214, 0.4);
}
tr,th,td:hover
{
    background-color: #aad6d6;
}
body
{
    background-color: rgb(186, 233, 233);
}
```

OUTPUT:

PERIOD	1	2	BREAK TIME	3	4	LUNCH TIME	5	6	7
Timing	8.00 to 9.00	9.00 to 9.50		10.10 to 11.00	11.00 to 11.50	11.50-12.30	12.30 to 1.20	1.20 to 2.10	2.10 to 3.00
Monday	POAI			IP/CN LAB		LUNCH	CN	POAI/IP LAB	
Tuesday	TOC	CN		CN	LUNCH	CN/POAI LAB		LIB	COUNSELLING HOUR
Wednesday	DM/CG			IP		TOC	LUNCH	RPA/SCM LAB	
Thursday	TOC			IP	LUNCH	DM/CG LAB		CN/IP LAB	
Friday	POAI			CN/IP LAB		LUNCH	CN	POAI/IP LAB	
Saturday	IP/CN LAB			CN	RPA/SCM LAB		LUNCH	VAP	

RESULT:

The web page for creating timetable using html and css is successfully created.

EX: 1-C Create a web page using an embedded, external and inline CSS file.

DATE: 10-08-2022

AIM:

To create a web page using an embedded, external and inline CSS file.

ALGORITHM:

1. Begin with the root tag <html> to create the web page.
2. Internal and External CSS can be set up only inside the header.
3. <style>body {.....}</style> is the format of Internal CSS.
4. <link rel="stylesheet" href="filename.css"> is used to link the external CSS file.
5. Inline CSS is used inside the tags like <body style="text-align: left;">.....</body>

HTML 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>WEB PAGE</title>
<link rel="stylesheet" href="2nd.css">
<style>
body {
    background-image: url('nature1.jpg');
    background-color: linen;
}
```

```
    }
```

```
h1 {  
    color: maroon;  
    margin-left: 40px;  
}  
</style>  
</head>  
  
<body style="text-align: left;">  
    <div class="header-text">  
        <h1 style="color:red;text-align:center;">Welcome to the Home Page</h1>  
        <p style="color:aquamarine;"></p>  
    </div>  
    <section id="form">  
        <div class="register">  
            <h4>REGISTER HERE !!!</h4>  
            <form id="register" method="post">  
                <label>First Name : </label>  
                <br>  
                <input type="text" name="fname" id="name" placeholder="Enter Your First Name">  
                <br><br>  
                <label>Last Name : </label>  
                <br>  
                <input type="text" name="lname" id="name" placeholder="Enter Your Last Name">  
                <br><br>  
                <label>Your Age : </label>  
                <br>
```

```
<input type="number" name="age" id="name" placeholder="How Old are  
you?">  
<br><br>  
<label>Email : </label>  
<br>  
<input type="email" name="email" id="name" placeholder="Enter Your  
Valid Email">  
<br><br>  
  
<input type="submit" name="SUBMIT" id="submit">  
</a>  
</form>  
</form>  
</div>  
</section>  
  
</body>  
  
</html>
```

CSS Code:

```
body {  
background-color: lightblue;  
background-size: auto;  
background-repeat: no-repeat;  
}  
  
h1 {  
color: navy;  
margin-left: 20px;
```

```
}

div.register{
    width: 100%;
    font-size: 27px;
    border: 1px solid rgb(219, 14, 14);
    box-shadow: 2px 2px 15px rgba(218, 145, 145, 0.616);
    color:rgb(191, 227, 10);
    text-align: center;
}

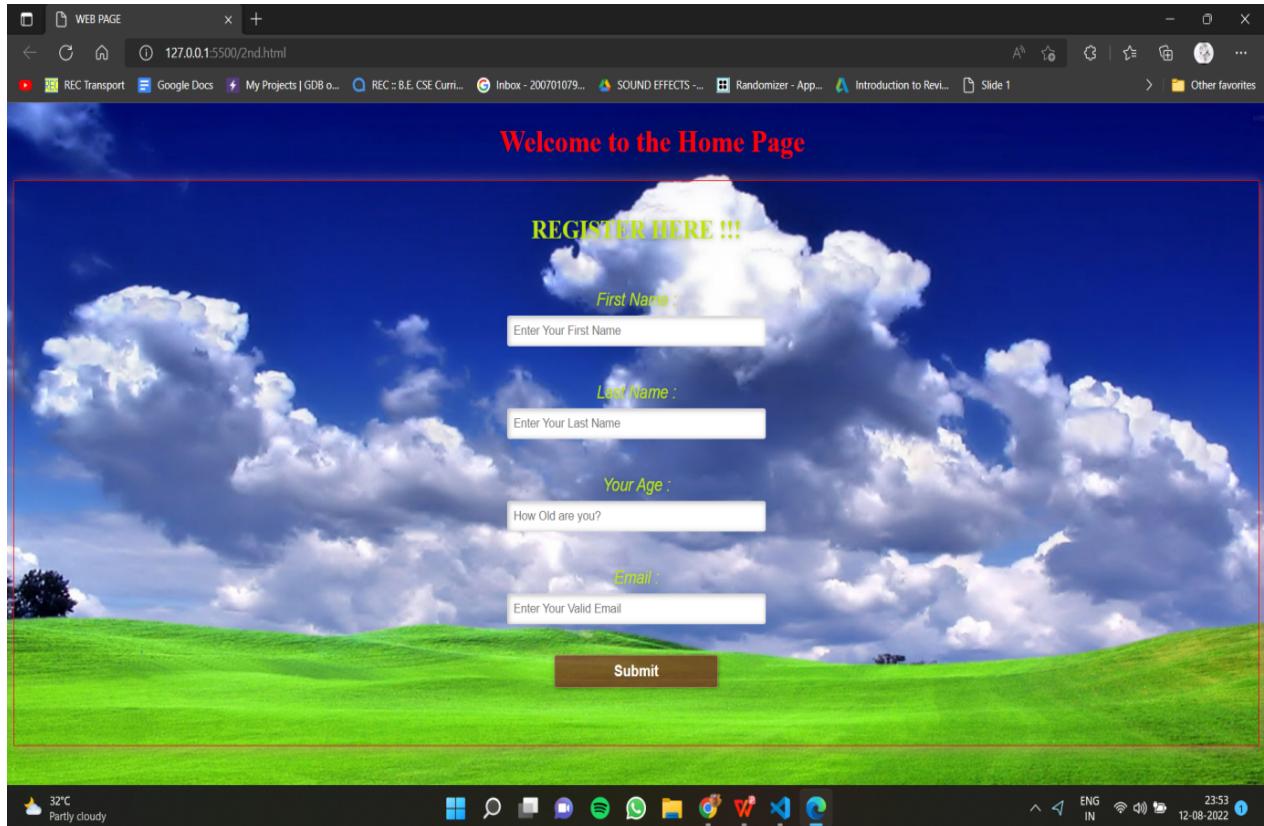
form#register{
    margin: 40px;
    text-align: center;
}

label{
    font-family: sans-serif;
    font-size: 18px;
    font-style: italic;
}

input#name{
    width: 300px;
    border: 1px solid #ddd;
    border-radius: 3px;
    outline: 0;
    padding: 7px;
    background-color: #fff;
    box-shadow: inset 1px 1px 5px rgba(0,0,0,0.3);
}

input#submit{
    width: 200px;
    padding: 7px;
```

```
font-size: 16px;  
font-family: sans-serif;  
font-weight: 600;  
border-radius: 3px;  
background-color: rgba(116, 10, 36, 0.616);  
color: #fff;  
cursor: pointer;  
border: 1px solid rgba(255,255,255,0.3);  
box-shadow: 1px 1px 5px rgba(0,0,0,0.3);  
margin-bottom: 20px;  
}  
  
label,span,h4{  
text-shadow: 1px 1px 5px rgba(0,0,0,0.3);  
}
```

OUTPUT:**RESULT:**

The web page is successfully created using embedded, external and internal CSS file.

EX: 2 Create a web page for College website using html,css and javascript

DATE: 10-08-2022

AIM:

To create a web page for College website using html,css and javascript

ALGORITHM:

1. Begin with the root tag <html> to create the web page.
2. Internal and External CSS can be set up only inside the header.
3. <style>body {.....}</style> is the format of Internal CSS.
4. <link rel="stylesheet" href="filename.css"> is used to link the external CSS file.
5. Inline CSS is used inside the tags like <body style="text-align: left;">.....</body>
6. Add Javascript if needed.

HTML 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>REC WEBSITE</title>
    <link rel="stylesheet" href="clgweb.css">
    <link rel="preconnect" href="https://fonts.gstatic.com">
```

```
<link
  href="https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;600
  ;700&display=swap"
  rel="stylesheet">

<script
  src="https://cdn.jsdelivr.net/gh/cferdinandi/smooth-scroll/dist/smooth-scroll.polyfills.
  min.js"></script>

</head>

<body>

<section id="header">
  <div id="main" class="container">
    
    <br>
    <br>
    <br>
    <h1 style="text-align:center">ADMISSION OPEN</h1>
    <br>
    <button class="button" style="text-align:center">ENROLL NOW</button>
    <div class="header-text">
      <span class="square"></span>
    </div>
  </div>
</section>

<nav id="sideNav" style="right: 0px;" class="sidenav">
  <ul>
    <a href="javascript:void(0)" class="closebtn"
    onclick="closeNav()">&times;</a>
    <li><strong><a
      href="https://www.rajalakshmi.org/">HOME</a></strong></li>
    <li><strong><a
      href="https://www.rajalakshmi.org/profile-college.php">ABOUT
      US</a></strong></li>
```

```

<li><strong><a href="https://www.rajalakshmi.org/dept-cse-intro.php">DEPARTMENT</a></strong></li>

<li><strong><a href="https://www.rajalakshmi.org/admission-courses.php">ADMISSION</a></strong></li>

<li><strong><a href="https://www.rajalakshmi.org/contact-us.php">CONTACT</a></strong></li>

</ul>

</nav>

<button onclick="myFunction()" class="menuBtn"></button>

<span onclick="openNav()"></span>

<script>

    function openNav() {

        document.getElementById("sideNav").style.width = "250px";
        document.getElementById("main").style.marginRight = "250px";
        document.body.style.backgroundColor = "rgba(0,0,0,0.4)";

    }

    function closeNav() {

        document.getElementById("sideNav").style.width = "0";
        document.getElementById("main").style.marginRight = "0";
        document.body.style.backgroundColor = "white";

    }

</script>

</body>

</html>

```

CSS Code:

```
* {  
margin: 0;  
padding: 0;  
font-family: sans-serif;  
}
```

```
#header {  
height: 100vh;  
background-image: url(img.jpg);  
padding: -200%;  
background-position: center;  
background-size: cover;  
}
```

```
.container {  
margin-right: 100px;  
margin-left: 100px;  
}
```

```
.logo {  
margin-left: -75px;  
margin-top: 20px;  
width: 330px;  
}
```

```
.header-text {  
max-width: 350px;  
margin-top: 140px;  
}
```

```
h1 {  
    font-size: 34px;  
}
```

```
p {  
    font-size: 15px;  
    line-height: 18px;  
    color: #777;  
}
```

```
li a {  
    display: block;  
    width: 60px;  
}
```

```
.header-text button {  
    margin-top: 20px;  
    margin-bottom: 60px;  
}
```

```
#sideNav {  
    height: 500%;  
    width: 0;  
    position: fixed;  
    z-index: 1;  
    top: 0;  
    left: 83%;  
    background-color: rgb(235, 98, 199);  
    overflow-x: hidden;
```

```
padding-top: 70px;  
transition: 0.5s;  
}
```

```
#sideNav ul li a {  
padding: 8px 8px 8px 32px;  
text-decoration: none;  
font-size: 25px;  
color: #f0eaea;  
display: block;  
transition: 0.3s;  
}
```

```
#sideNav ul li a:hover {  
color: #7d0171;  
}
```

```
#sideNav .closebtn {  
position: absolute;  
top: 0;  
right: 25px;  
font-size: 36px;  
margin-right: 50px;  
}
```

```
#sideNav ul li a:after {  
position: absolute;  
bottom: 0;  
left: 0;  
right: 0;  
margin: auto;
```

```
width: 0%;  
content: ':';  
color: transparent;  
background: rgb(9, 9, 9);  
height: 1px;  
text-align: left;  
content: '.';  
margin: 0;  
opacity: 0;  
}  
  
#sideNav ul li a: hover: after {
```

```
z-index: 1;  
z-index: -10;  
animation: fill 1s forwards;  
-webkit-animation: fill 1s forwards;  
-moz-animation: fill 1s forwards;  
opacity: 1;  
}  
  
#sideNav ul li a {
```

```
text-decoration: none;  
color: #fff;  
transition: all 2s;  
}  
  
.button {
```

```
position: absolute;  
padding: 15px 25px;  
font-size: 20px;  
cursor: pointer;
```

```
right: 650px;  
outline: none;  
color: #fff;  
background-color: #9d0c82;  
border: none;  
border-radius: 15px;  
box-shadow: 0 9px rgb(227, 152, 205);  
}  
  
.button:hover {background-color: #74064f}
```

```
.button:active {  
background-color: #8e3e7f;  
box-shadow: 0 5px #666;  
transform: translateY(4px);  
text-align: center;  
}
```

```
#main {  
transition: margin-right .5s;  
padding: 20px;  
}
```

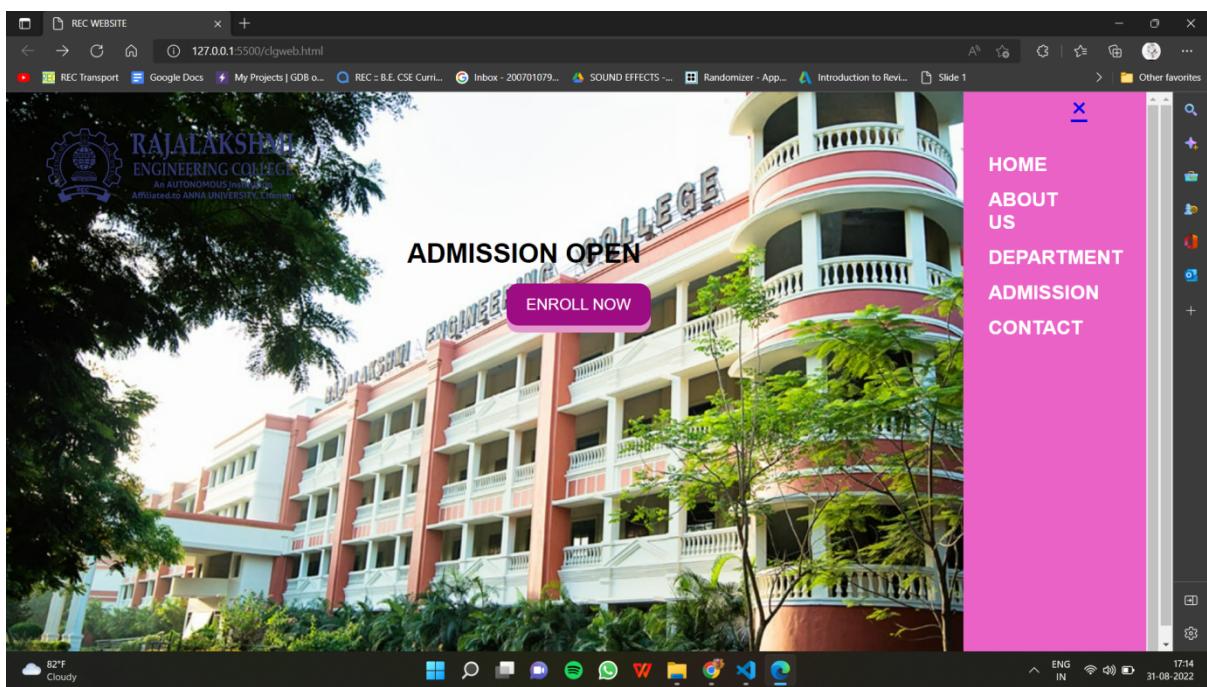
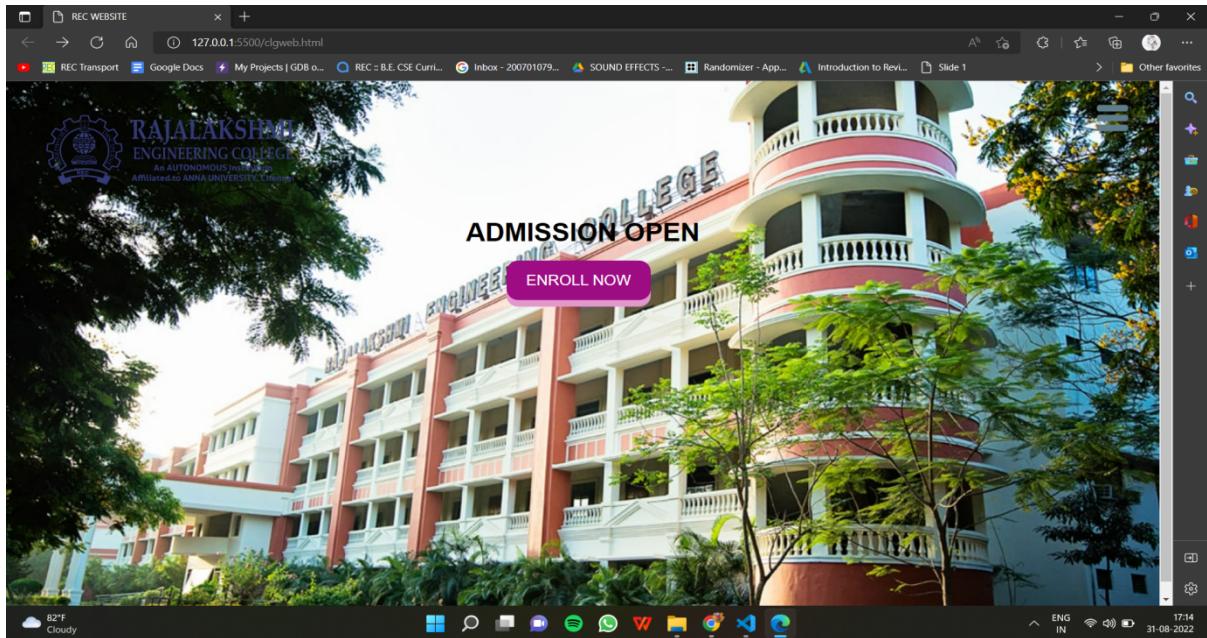
```
#menuBtn {  
overflow: hidden;  
width: 40px;  
top: 30px;  
right: 40px;  
transition: all;  
position: absolute;
```

```
display: inline-block;  
}  
  
#menuBtn:hover {  
    top: 5%;  
}  
.show {display:block;}  
  
@media only screen and (max-width: 770px) {  
    #header {  
        background-image: none;  
    }
}  
  
.container {  
    margin-right: 100px;  
    margin-left: 100px;  
}
  
.logo {  
    margin-top: 30px;  
    width: 100px;  
}
  
.header-text {  
    max-width: 350px;  
    margin-top: 140px;  
}
  
h1 {  
    font-size: 34px;
```

}

```
#menuBtn {  
    width: 40px;  
    right: 50px;  
}  
  
.commom-btn {  
    padding: 10px 16px;  
}  
  
@media screen and (max-height: 450px) {  
    .sidenav {padding-top: 15px;}  
    .sidenav a {font-size: 18px;}  
}  
}
```

OUTPUT:



RESULT:

Thus,to create a web page for College website using html,css and javascript is executed sucessfully.

EX: 3 Create a Registration form with javascript validation using html,css

DATE: 10-08-2022

AIM:

To create a registration form with javascript validation using html,css.

ALGORITHM:

1. Begin with the root tag <html> to create the registration form.
2. Internal and External CSS can be set up only inside the header.
3. <style>body {.....}</style> is the format of Internal CSS.
4. <link rel="stylesheet" href="filename.css"> is used to link the external CSS file.
5. Inline CSS is used inside the tags like <body style="text-align: left;">.....</body>
6. Use javascript for validation of name,address,number,email in forms.

HTML 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>

</head>

<body>

<script>

function registerform() {

    var x = document.forms["RegForm"]["fname"].value;

    var email = document.forms["RegForm"]["email"].value;

    var address = document.forms["RegForm"]["address"].value;

    var age = document.forms["RegForm"]["age"].value;

    var regName = /^[a-zA-Z]+ [a-zA-Z]+$/;

    if (x == "" || !regName.test(x)) {

        alert('Please enter your full name (first & last name).');

        return false;

    }

    else {

        if (address == "") {

            window.alert("Please enter your address.");

            return false;

        }

        if (age == "") {

            window.alert("Please enter your age.");

            return false;

        }

    }

}

registerform();
```

```
    }

    alert("success!");

    return false;
}

}

</script>

<h4 style="text-align: center">FEEDBACK FORM FOR CAMPUS VISIT</h4>

<section id="form">

<div class="register">

<form name="RegForm" onsubmit="return registerform()" method="post">

    <label><b>Name : </b></label>

    <br>

    <input type="text" name="fname" id="name" placeholder="Enter your valid
name">

    <br><br>

    <label><b>Email : </b></label>

    <br>

    <input type="email" name="email" id="email" placeholder="Enter Your
Valid Email">

    <br><br>

    <label><b>Address :</b></label>
```

```
<br>

<textarea input type="address" name="address" id="address"
placeholder="Enter Your Address"></textarea>

<br><br>

<label><b>Age : </b></label>

<br>

<input type="number" name="age" id="age" placeholder="Enter your
age">

<br><br>

<label><b>Gender:</b></label>

<br>

&nbsp;&nbsp;&nbsp;

<input type="radio" name="lang" id="male">

&nbsp;

<span id="others">MALE</span>

&nbsp;&nbsp;&nbsp;

<input type="radio" name="lang" id="female">

&nbsp;

<span id="others">FEMALE</span>

<br><br>

<label><b>What you liked most about the campus?</b></label>

<br>

&nbsp;&nbsp;&nbsp;
```

```
<input type="checkbox" name="lang" id="students">  
&nbsp;  
<span id="tamil">STUDENTS</span>  
&nbsp;&nbsp;&nbsp;  
<input type="checkbox" name="lang" id="location">  
&nbsp;  
<span id="hindi">LOCATION</span>  
&nbsp;&nbsp;&nbsp;  
<input type="checkbox" name="lang" id="campus">  
&nbsp;  
<span id="eng">CAMPUS</span>  
&nbsp;&nbsp;&nbsp;  
<input type="checkbox" name="lang" id="atmosphere">  
&nbsp;  
<span id="others">ATMOSPHERE</span>  
&nbsp;&nbsp;&nbsp;  
<input type="checkbox" name="lang" id="dorm">  
&nbsp;  
<span id="others">DORM ROOMS</span>  
&nbsp;&nbsp;&nbsp;  
<input type="checkbox" name="lang" id="sports">  
&nbsp;  
<span id="others">SPORTS</span>
```


<label>How you get interested in the university?</label>

<input type="radio" name="lang" id="friends">

FRIENDS

<input type="radio" name="lang" id="tv">

TV

<input type="radio" name="lang" id="internet">

INTERNET

<input type="radio" name="lang" id="others">

OTHERS

<label>Additional Comments :</label>


```
<textarea input type="add" name="add" id="name" placeholder="Enter  
Your Additional Comments"></textarea>  
  
<br><br>  
  
<input type="submit" value="Submit" required>  
  
&nbsp;&nbsp;&nbsp;  
  
<input type="reset" value="Reset" name="reset" id="reset">  
  
</form>  
  
</div>  
  
</section>  
  
</body>  
  
  
  
</html>
```

OUTPUT:

FEEDBACK FORM FOR CAMPUS VISIT

Name :
Enter your valid name

Email :
Enter Your Valid Email

Address :
Enter Your Address

Age :
Enter your age

Gender:
 MALE FEMALE

What you liked most about the campus?
 STUDENTS LOCATION CAMPUS ATMOSPHERE DORM ROOMS SPORTS

How you get interested in the university?
 FRIENDS TV INTERNET OTHERS

Additional Comments :
Enter Your Additional Comments

Submit **Reset**



127.0.0.1:5500 says

Please enter your age.

Name :
Haritha Sivasankaran

Email :
spaceew322@gmail.com

Address :
rrfgvrb

Age :
Enter your age

Gender:
 MALE FEMALE

What you liked most about the campus?
 STUDENTS LOCATION CAMPUS ATMOSPHERE DORM ROOMS SPORTS

How you get interested in the university?
 FRIENDS TV INTERNET OTHERS

Additional Comments :
Enter Your Additional Comments

Submit **Reset**



Document x +
127.0.1.5500/9.html

REC Transport Google Docs My Projects | GDB o... REC - B.E. CSE Curri... Inbox - 200701079... SOUND EFFECTS ... Randomizer - App... Introduction to Revi... Slide 1 Other favorites

FEEDBACK FORM FOR CAMPUS VISIT

Name : Hanitha Sivasankaran

Email : spacew322

Please include an '@' in the email address. 'spacew322' is missing an '@'.

Age : 19

Gender: MALE FEMALE

What you liked most about the campus? STUDENTS LOCATION CAMPUS ATMOSPHERE DORM ROOMS SPORTS

How you get interested in the university? FRIENDS TV INTERNET OTHERS

Additional Comments : Enter Your Additional Comments

Submit Reset

86°F Partly cloudy 20:28 ENG IN 03-09-2022

The screenshot shows a Microsoft Edge browser window with a registration form. The form fields include Name (Haritha), Email (spacew322@gmail.com), Address (rrfgvrb), Age (19), Gender (FEMALE selected), and Additional Comments (Leave empty). Below the form are sections for campus interests (STUDENTS checked, LOCATION checked, CAMPUS uncheckable, ATMOSPHERE uncheckable, DORM ROOMS uncheckable, SPORTS uncheckable) and university interests (FRIENDS uncheckable, TV uncheckable, INTERNET checked, OTHERS uncheckable). A success message "127.0.0.1:5500 says Please enter your full name (first & last name)." is displayed in a modal dialog. The system tray at the bottom shows weather (86°F, Partly cloudy), battery level (2028), and date/time (03-09-2022).

This screenshot is identical to the one above, showing the same registration form and validation message. The only difference is the message content in the modal dialog, which now reads "127.0.0.1:5500 says success!".

RESULT:

Thus,to create a registration form with javascript validation using html,css is executed sucessfully.

EX: 4 Develop a web application to convert the currency as follows using servlets

DATE: 21-10-2022

AIM:

To Develop a web application to convert the currency as follows using servlets
INR to USD, INR to Euro, INR to SGD, USD to INR, Euro to INR, SGD to INR

ALGORITHM:

1. Begin with the root tag <html> to create the registration form.
2. <form name="name" action="add" method="get" for connecting the form to servlet.
3. Use servlet for converting the currency.
4. Import the java servlet functions.
5. Create http request and response in the new public class.

PROGRAM CODE:

Index.html

```
<html>
<head>
    <title>Servlet</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
    <form name="f1" action="add" method="get">
        Select:<br>
        <select name=drop-down>
```

```

<option>INR to USD</option>
<option>INR to Euro</option>
<option>INR to SGD</option>
<option>USD to INR</option>
<option>Euro to INR</option>
<option>SGD to INR</option>
</select>
<input type="text" name="from"/>
<input type="submit" value="convert"/>
</form>
</body>
</html>

```

Servlet.java:

```

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet(urlPatterns = {"NewServlet1"})
public class NewServlet1 extends HttpServlet {
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try ( PrintWriter out = response.getWriter() ) {
            /* TODO output your page here. You may use following sample code. */
            String msg = request.getParameter("name");
            out.println(msg);
        }
    }
}

```

```

}

@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    processRequest(request, response);
}

@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    processRequest(request, response);
}

@Override
public String getServletInfo() {
    return "Short description";
}// </editor-fold>

}

```

OUTPUT:

Select:

<input type="button" value="INR to USD"/>	<input type="text" value="34"/>	<input type="text" value="34"/>	<input type="button" value="convert"/>
---	---------------------------------	---------------------------------	--

0.408

RESULT:

Thus, To Develop a web application to convert the currency as follows using servlets is executed sucessfully.

**EX: 5 Develop a web application for student Grade system
using PHP**

DATE: 14-10-2022

AIM:

To develop a web application for student grade system using PHP

Mark Range	Grade	Grade Point
91-100	O	10
81-90	A+	9
71-80	A	8
61-70	B	7
50-60	B+	6
<50	RA	0

ALGORITHM:

1. Begin with the root tag <html> to create the registration form.
2. <form action="php echo htmlspecialchars(\$_SERVER["PHP_SELF"]);?>" method="post" for connecting the form to php</li- 3. Use php to find the grade for subjects entered in the grade system.
- 4. Create the function for all the grades with the marks

PROGRAM 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>Grading System</title>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
</head>
<body>
<form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>" method="post">
    CS19501: <input type="text" name="toc">&nbsp;<span id="toc">&nbsp;</span><br>
    CS19542: <input type="text" name="ip">&nbsp;<span id="ip">&nbsp;</span><br>
    CS19541: <input type="text" name="cn">&nbsp;<span id="cn">&nbsp;</span><br>
    AI19341: <input type="text" name="ai">&nbsp;<span id="ai">&nbsp;</span><br>
    <br><input type="submit" name="submit" value="calculate">
</form>
<?php
    function grade($mark){
        if($mark>=90){
            return "O";
        }
        elseif($mark>=80 and $mark<90){
            return "A+";
        }
        elseif($mark>=70 and $mark<80){
            return "A";
        }
        elseif($mark>=60 and $mark<70){
            return "B+";
        }
        elseif($mark>=50 and $mark<60){
            return "B";
        }
        elseif($mark<50){
    
```

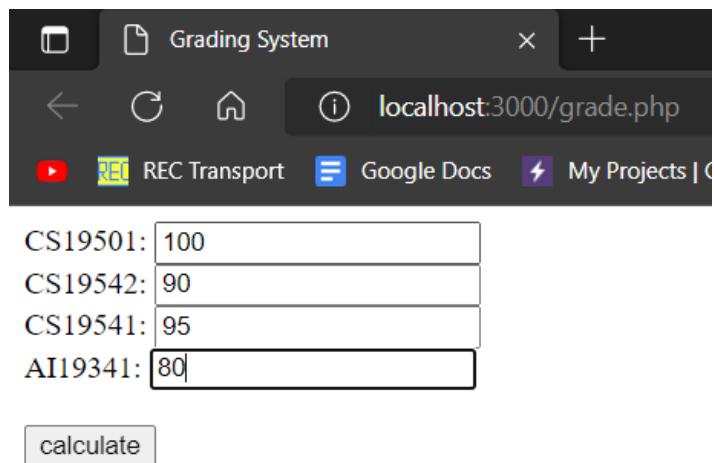
```
        return "F";
    }
}

if(isset($_POST['submit'])){
    $toc = grade($_POST['toc']);
    $ip = grade($_POST['ip']);
    $cn = grade($_POST['cn']);
    $ai = grade($_POST['ai']);

    echo "<script>$('#toc').text('$toc');</script>";
    echo "<script>$('#ip').text('$ip');</script>";
    echo "<script>$('#cn').text('$cn');</script>";
    echo "<script>$('#ai').text('$ai');</script>";
}

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

OUTPUT:



The screenshot shows a web browser window titled "Grading System". The address bar displays "localhost:3000/grade.php". Below the address bar, there are several icons for quick access: YouTube, REC Transport, Google Docs, and My Projects. The main content area contains a form with four input fields and a button. The first three fields have labels and values: "CS19501: 100", "CS19542: 90", and "CS19541: 95". The fourth field has the label "AI19341:" and an empty input box. Below the form is a button labeled "calculate".

CS19501:	100
CS19542:	90
CS19541:	95
AI19341:	80

calculate

Grading System

localhost:3000/grade.php

REC Transport Google Docs My Projects |

CS19501:		O
CS19542:		O
CS19541:		O
AI19341:		A+

calculate

RESULT:

Thus, To develop a web application for student grade system using PHP is executed sucessfully.

EX: 6(a)

Attach a function to the focus event

DATE: 14-10-2022

AIM:

To attach a function to the focus event.

ALGORITHM:

1. Begin with the root tag <html> to create the registration form.
2. <script src="jquery.min.js"></script> for connecting jquery
3. Use \$(document).ready(function() {}) to make the script ready.
4. Create the function to attach the focus event into the html file

PROGRAM CODE:

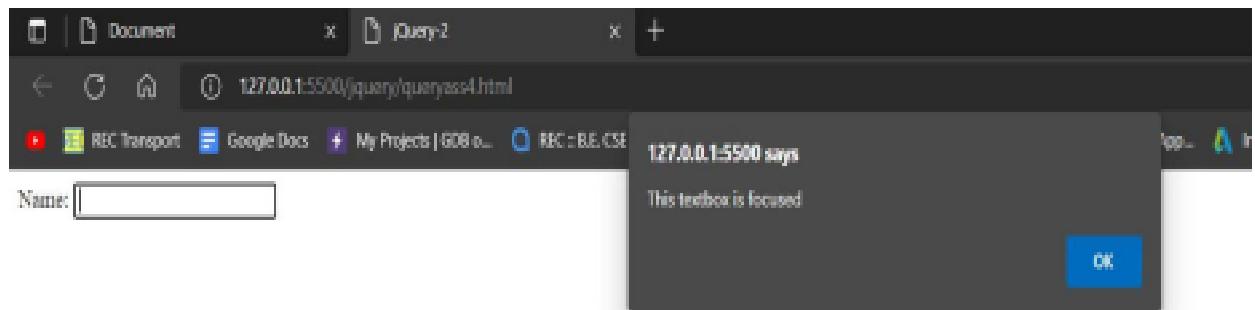
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width,
  initial-scale=1.0"><title>jQuery-2</title>
</head>
<script src="jquery.min.js"></script>
<script>
  $(document).ready(function()
  {
    $("input").click(function()
    {

```

```
$(this).focus()
{
    alert("This textbox is focused")
}
});

});
</script>
<body>
<form>
    <label>Name:</label>
    <input type="text1"><br><br>
</form>
</body>
</html>
```

OUTPUT:



RESULT:

Thus, To attach a function to the focus event is executed successfully.

EX: 6(b)

Show texts when mouseup and mouse-down event triggering

DATE: 14-10-2022

AIM:

To Show texts when mouseup and mouse-down event triggering

ALGORITHM:

1. Begin with the root tag <html> to create the registration form.
2. <script src="jquery.min.js"></script> for connecting jquery
3. Use \$(document).ready(function() {}) to make the script ready.
4. Create the function to attach the focus event into the html file

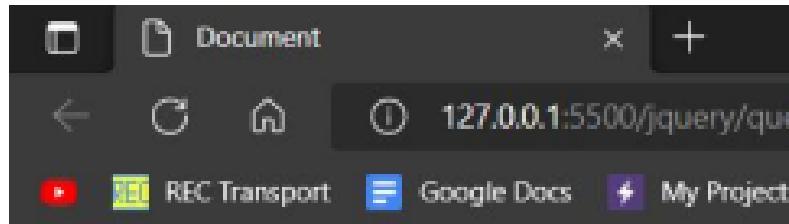
PROGRAM CODE:

```
<!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>
</head>
<body>
    <div>
        Welcome to Internet Programming
    </div>

</body>
<script src="jquery.min.js"></script>
<script>
```

```
$(document).ready(function()
{
    $("div").mouseup(function()
    {
        $(this).after("Mouseup event<br>")
    }),
    $("div").mousedown(function()
    {
        $(this).after("Mousedown event<br>")
    });
});
</script>
</html>
```

OUTPUT:



Welcome to Internet Programming

Mouseup event

Mousedown event

RESULT:

Thus, to show texts when mouseup and mouse-down event triggering is executed successfully.

EX: 7

Create a Form using Bootstrap

DATE: 14-10-2022

AIM:

To Create a checkout form using Bootstrap

ALGORITHM:

1. Begin with the root tag <html> to create the registration form.
2. <script src="jquery.min.js"></script> for connecting jquery
3. Use \$(document).ready(function() {}) to make the script ready.
4. Create the function to attach the focus event into the html file

PROGRAM 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>

<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
```

```
<script  
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>  
</head>  
  
<body>  
<form class="form-group">  
<div class="container">  
<h1>Billing address</h1>  
<div class="row">  
<div class="col-md-6">  
<label>First name:</label>  
<input type="text" class="form-control" id="firstName" required>  
</div>  
<div class="col-md-6">  
<label>Last name:</label>  
<input type="text" class="form-control" id="lastName" required>  
</div>  
</div>  
<div class="row">  
<div class="col-lg-12">  
<label>Email:<span class="text-muted">(Optional)</span></label>  
<input type="email" class="form-control" id="email"  
placeholder="you@example.com">
```

```
</div>

</div>

<div class="row">

    <div class="col-lg-12">

        <label>Address:</label>

        <input type="addr" class="form-control" id="addr" placeholder="1234 Main
st.">

    </div>

</div>

<div class="row">

    <div class="col-md-5">

        <label>Country:</label>

        <select class="form-control" id="country" required>

            <option>Choose...</option>

            <option value="AF">Afghanistan</option>

            <option value="AX">Aland Islands</option>

            <option value="AL">Albania</option>

            <option value="DZ">Algeria</option>

            <option value="AS">American Samoa</option>

            <option value="AD">Andorra</option>

            <option value="AO">Angola</option>

            <option value="AI">Anguilla</option>

            <option value="AQ">Antarctica</option>

        </select>

    </div>

    <div class="col-md-7">

        <label>Phone Number:</label>

        <input type="tel" class="form-control" id="tel" placeholder="123-456-7890">

    </div>

</div>
```

```
</select>

</div>

<div class="col-md-4">

<label>State:</label>

<select class="form-control" id="state" required>

<option>Choose...</option>

<option value="Andaman and Nicobar Islands">Andaman and Nicobar Islands</option>

<option value="Andhra Pradesh">Andhra Pradesh</option>

<option value="Arunachal Pradesh">Arunachal Pradesh</option>

<option value="Assam">Assam</option>

<option value="Bihar">Bihar</option>

<option value="Chandigarh">Chandigarh</option>

<option value="Chhattisgarh">Chhattisgarh</option>

<option value="Dadra and Nagar Haveli">Dadra and Nagar Haveli</option>

<option value="Daman and Diu">Daman and Diu</option>

<option value="Delhi">Delhi</option>

<option value="Goa">Goa</option>

<option value="Gujarat">Gujarat</option>

<option value="Haryana">Haryana</option>

<option value="Himachal Pradesh">Himachal Pradesh</option>

<option value="Jammu and Kashmir">Jammu and Kashmir</option>

<option value="Jharkhand">Jharkhand</option>
```

```
</select>

</div>

<div class="col-md-3">

<label>Zip:</label>

<input type="number" class="form-control" id="zip" required>

</div>

</div><br>

<div class="row">

<div class="col-md-12">

<div class="form-check">

<input class="form-check-input" type="checkbox" value="" id="flexCheckDefault">

<label class="form-check-label" for="flexCheckDefault">

    Shopping address is same as my billing address

</label>

</div>

<div class="form-check">

<input class="form-check-input" type="checkbox" value="" id="flexCheckChecked">

<label class="form-check-label" for="flexCheckChecked">

    Save this information for next time

</label>

</div>
```

```
</div>

</div>

<h1>Payment</h1>

<div class="row">

<div class="col-md-12">

<div class="form-check">

<input class="form-check-input" type="radio" name="flexRadioDefault"
id="flexRadioDefault1">

<label class="form-check-label" for="flexRadioDefault1">

    Credit Card

</label>

</div>

<div class="form-check">

<input class="form-check-input" type="radio" name="flexRadioDefault"
id="flexRadioDefault2">

<label class="form-check-label" for="flexRadioDefault2">

    Debit Card

</label>

</div>

<div class="form-check">

<input class="form-check-input" type="radio" name="flexRadioDefault"
id="flexRadioDefault3">

<label class="form-check-label" for="flexRadioDefault3">

    Paypal

```

```
</label>

</div>

</div>

</div>

<div class="row">

<div class="col-md-6">

<label>Name on Card:</label>

<input type="text" class="form-control">

<span class="text-muted">Full name as displayed on card</span>

</div>

<div class="col-md-6">

<label>Creditcard Number:</label>

<input type="text" class="form-control">

</div>

</div>

<div class="row">

<div class="col-md-3">

<label>Expiration:</label>

<input type="text" class="form-control">

</div>

<div class="col-md-3">

<label>CVV:</label>

<input type="text" class="form-control">
```

```
</div>

</div>

<br>

<div class="row">

    <div class="col-md-12">

        <input type="submit" class="form-control btn-primary" value="Continue to
Checkout">

    </div>

</div>

</div>

</form>

</body>

</html>
```

OUTPUT:

Billing address

First Name:

Last Name:

Email: (Optional)

Address:

Country:

State:

Zip:

Shopping address is same as my billing address

Save this information for next time

Payment

Credit Card

Debit Card

Paypal

Name on Card:

Creditcard Number:

Full name as displayed on card

Expiration:

CVV:

Continue to Checkout

RESULT:

Thus, to create a checkout form using bootstrap is executed successfully.

EX: 8 Implementation of Temperature conversion using PHP**DATE:** 14/10/22**AIM:**

To write a program using PHP to convert temperature from Fahrenheit to Celsius and vice versa

ALGORITHM:

1. Write a html program which receives the user's choice to either convert Fahrenheit to
2. Celsius or vice versa
3. The data is submitted through the form which hits the background.php
4. It passes the value to the convertor and returns the value
5. Print the answer using echo in php

PROGRAM CODE:**Form.html**

```
<html>
<head>
<title>
temp
</title>
</head>
```

```

<body>

<form name="f1" method="post" action="background.php">

<select name="select">

<option>cel to far</option>

<option>far to cel</option>

</select>

<input type="text" name="temp">

<button type="submit">convert</button>

</form>

</body>

</html>

```

Background.php:

```

<?php33

$val=$_POST['select'];

$temp=$_POST['temp'];

if($val==="cel to far")

{

$op =($temp * 9/5)+32;

echo $op;

}

if($val==="far to cel")

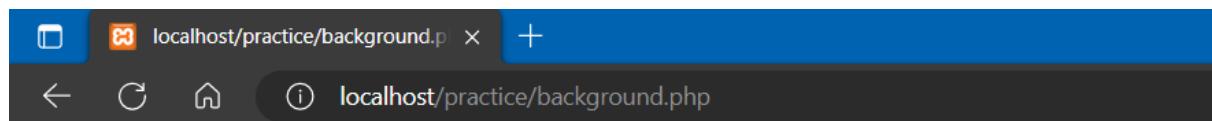
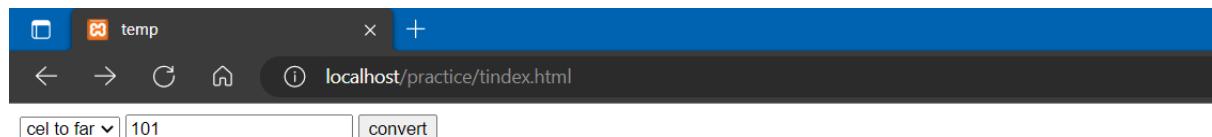
{

$op1 =($temp-32)*5/9;

```

```
echo $op1;  
}  
?>
```

OUTPUT:



RESULT:

Thus, The program for temperature conversion program has been successfully created and executed