SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY

CHIKKARAYAPURAM (NEAR MANGADU), CHENNAI-69

DEPARTMENT OF COMPUTER APPLICATIONS

ACADEMIC YEAR 2023– 2024/ ODD SEMESTER

CLASS & SEM: II MCA/ III SEM

MC4023- WEB DESIGN LABORATORY MANUAL

(THEORY AND LAB)(R-2021 -2 YEARS)

INDEX

REGISTER FORM

Ex No 1

Date:

AIM:

To create the program register form and Application

PROCEDURE:

STEP-1: Start the program.

STEP-2:Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

STEP-3: Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

STEP-4: Create the cascading style sheet:

- Open the new file to save the file name .CSS and design the program web sites.
- Select the element and tag with curly bracket's then using height, width, color of text applying and background, border, margin, padding applying more properties.

STEP-5:

- open the html structure of the file save to using
- File-> Auto save -> then run the program to right click select the open the live server and execute the program using any browser

PROGRAM:

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="style.css">
<title>Registration Form</title>
</head>
<body>
<div class="container">
<h2>Registration Form</h2>
<form id="registrationForm" onsubmit="validateForm (); return false;">
<label for="username">Username:</label>
<input type="text" id="username" name="username" placeholder="Enter your username">
<label for="email">Email:</label>
<input type="email" id="email" name="email" placeholder="Enter your email">
<label for="password">Password:</label>
<input type="password" id="password" name="password" placeholder="Enter your password">
<button type="submit">Register</button>
</form>
<div id="error-message"></div>
</div>
<script src="script.js"></script>
</body>
</html>
```

CSS

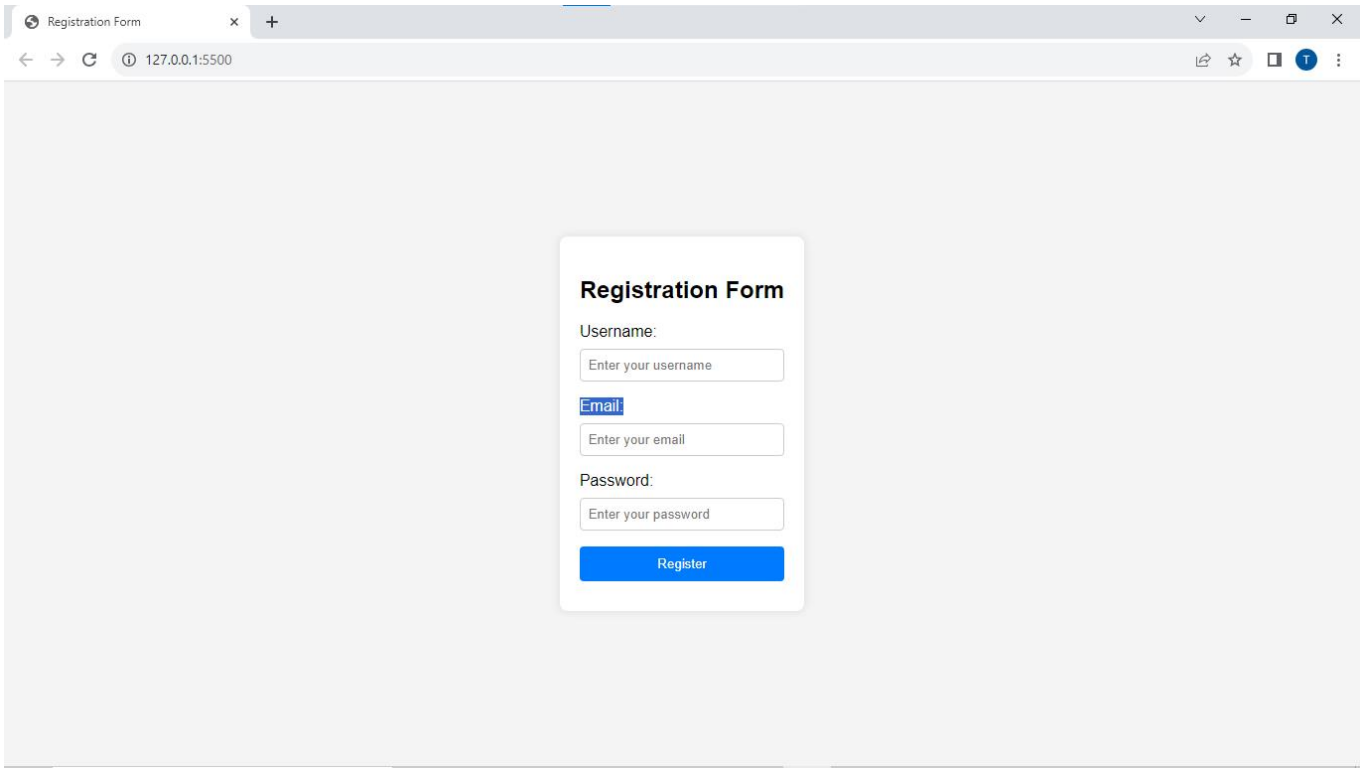
```
body {
font-family: Arial, sans-serif;
background-color: #f4f4f4;
margin: 0;
display: flex;
align-items: center;
justify-content: center;
height: 100vh;
}
.container {
background-color: #fff;
padding: 20px;
border-radius: 8px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
form {
display: flex;
flex-direction: column;
}
label {
margin-bottom: 8px;
}
input {
padding: 8px;
margin-bottom: 16px;
border: 1px solid #ccc;
border-radius: 4px;
}
```

```
button {
padding: 10px;
background-color: #007bff;
color: #fff;
border: none;
border-radius: 4px;
cursor: pointer;
}
button: hover {
background-color: #0056b3;
}
#error-message {
color: #ff0000;
margin-top: 10px;
}
```

JAVASCRIPT

```
function validateForm() {
var username = document.getElementById('username').value;
var email = document.getElementById('email').value;
var password = document.getElementById('password').value;
var errorMessage = document.getElementById('error-message');

// Simple validation for demonstration purposes
if (username.trim() === '' || email.trim() === '' || password.trim() === '') {
errorMessage.textContent = 'All fields are required';
return;
}



// You can add more complex validation logic here (e.g., email format, password strength)
// If validation passes, clear any previous error message
errorMessage.textContent = '';

// Simulate form submission (replace this with actual submission logic)
alert('Registration successful!\nUsername: ' + username + '\nEmail: ' + email);
}
```

OUTPUT



RESULT

The given program is exceuted and verified successfully

EVENT REGISTER FORM WITH VALIDATION

Ex No 2

Date:

AIM:

To create the program Event register form and validate it using html java script processing a visual studio code editor

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

Step-3: Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS and design the program web sites.
- Select the element and tag with curly bracket's then using height, width, color of text applying and background, border, margin, padding applying more properties .

Step-5:

- Open the html structure of the file save to using
- File-> Auto save -> then run the program to right click select the open the live server and execute the program using any browser

PROGRAM

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Event Registration Form</title>
<link rel="stylesheet" href="styles.css">
</head>
<body>
<div class="container">
<h2>Event Registration Form</h2>
<form id="registrationForm" onsubmit="validateForm(event)">
<label for="fullName">Full Name:</label>
<input type="text" id="fullName" name="fullName" required>
<label for="email">Email:</label>
<input type="email" id="email" name="email" required>
<label for="phone">Phone:</label>
<input type="tel" id="phone" name="phone" required>
<label for="eventDate">Event Date:</label>
<input type="date" id="eventDate" name="eventDate" required>
<label for="attendees">Number of Attendees:</label>
<input type="number" id="attendees" name="attendees" min="1" required>
<button type="submit">Register</button>
</form>
</div>
<script src="script.js"></script>
</body>
</html>
```

CSS

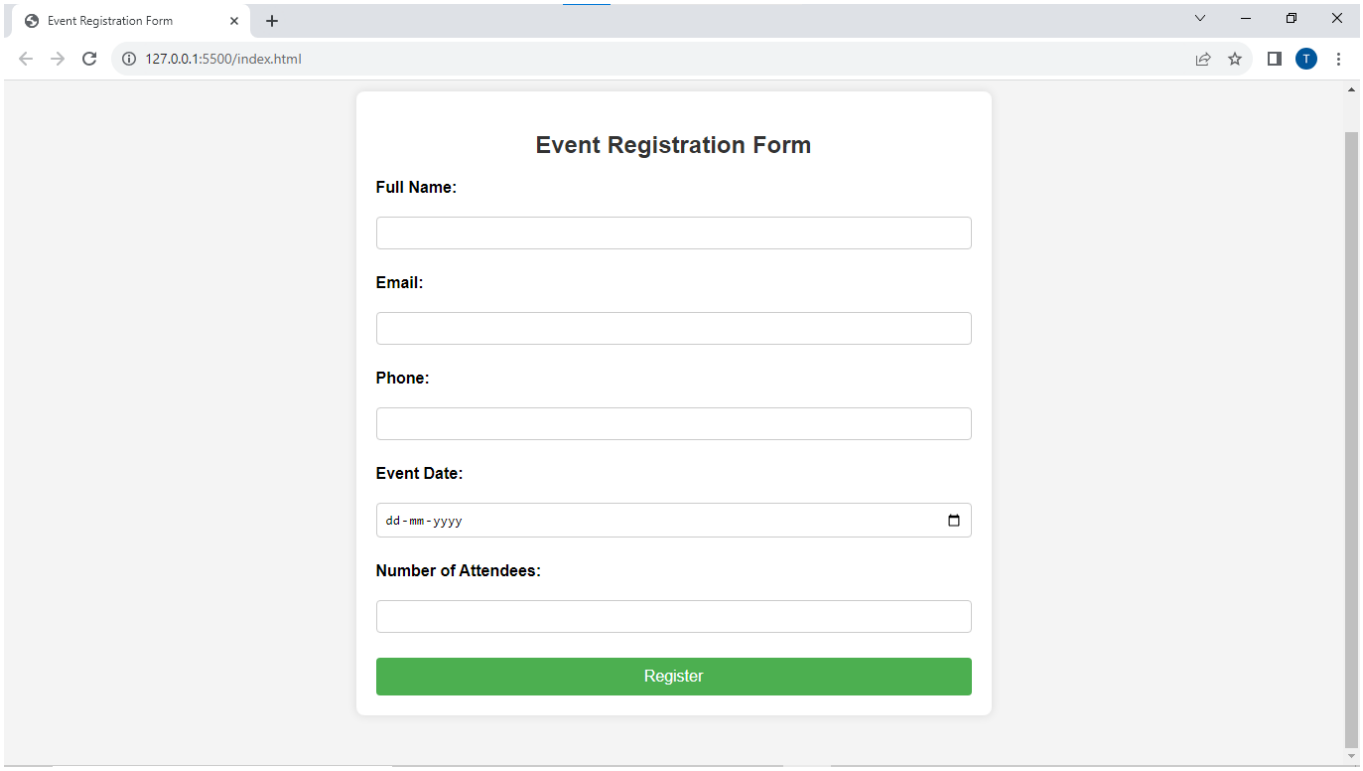
```
body {
font-family: Arial, sans-serif;
background-color: #f4f4f4;
margin: 0;
padding: 0;
}

.container {
max-width: 600px;
margin: 50px auto;
background-color: #fff;
padding: 20px;
border-radius: 8px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

h2 {
text-align: center;
color: #333;
}

form {
display: grid;
grid-gap: 15px;
}

label {
font-weight: bold;
}
```

```
input {
width: 100%;
padding: 8px;
box-sizing: border-box;
margin-top: 5px;
margin-bottom: 10px;
border: 1px solid #ccc;
border-radius: 4px;
}

button {
background-color: #4caf50;
color: #fff;
padding: 10px;
border: none;
border-radius: 4px;
cursor: pointer;
font-size: 16px;
}

button:hover {
background-color: #45a049;
}
```

JAVASCRIPT

```
function validateForm(event) {
event.preventDefault();

// Basic validation
const fullName = document.getElementById('fullName').value;
const email = document.getElementById('email').value;
const phone = document.getElementById('phone').value;
const eventDate = document.getElementById('eventDate').value;
const attendees = document.getElementById('attendees').value;

if (fullName === '' || email === '' || phone === '' || eventDate === '' || attendees === '') {
alert('All fields are required');
return;
}

// Additional validation logic can be added here

// If all validations pass, you can submit the form or perform other actions
alert('Registration successful!');
document.getElementById('registrationForm').reset();
}
```

OUTPUT::



RESULT

The given program is exceuted and verified successfully

STICKY NAV-BAR

Ex No 3

Date:

AIM:

To create the program nav-bar using html java script processing a visual studio code editor

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

Step-3: Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS and design the program web sites. Select the element and tag with curly bracket's then using height, width, color of text applying and background, border, margin, padding applying more properties.

Step-5:

- open the html structure of the file save to using
- File-> Auto save -> then run the program to right click select the open the live server and execute the program using any browser

PROGRAM

HTML

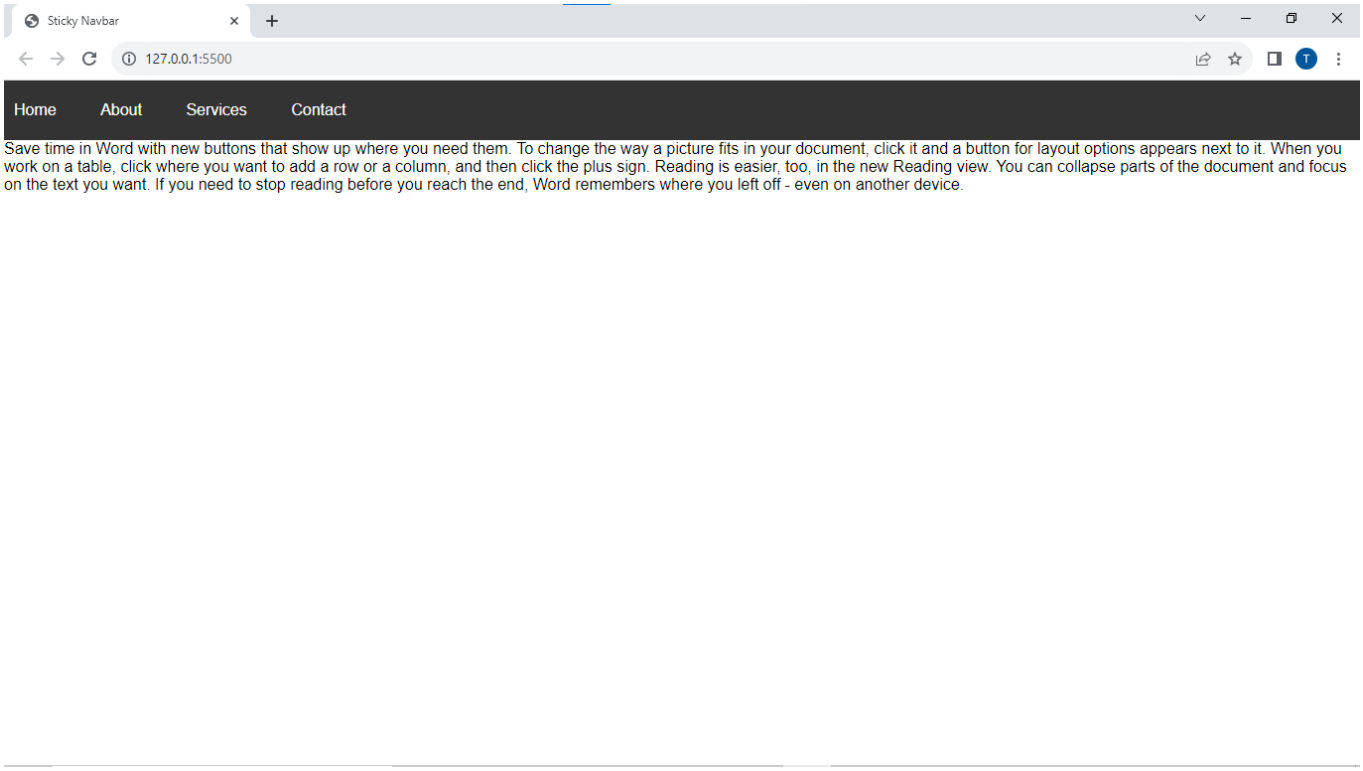
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="style.css">
<title>Sticky Navbar</title>
</head>
<body>
<header>
<nav class="navbar">
<ul>
<li><a href="#">Home</a></li>
<li><a href="#">About</a></li>
<li><a href="#">Services</a></li>
<li><a href="#">Contact</a></li>
</ul>
</nav>
</header>
<P>
Save time in Word with new buttons that show up where you need them. To change the way a picture fits in your document, click it and a button for layout options appears next to it. When you work on a table, click where you want to add a row or a column, and then click the plus sign.
Reading is easier, too, in the new Reading view. You can collapse parts of the document and focus on the text you want. If you need to stop reading before you reach the end, Word remembers where you left off - even on another device.
</p>
</body></html>
```

CSS

```
* {
margin: 0;
padding: 0;
box-sizing: border-box;
}

body {
font-family: Arial, sans-serif;
}

nav.navbar {
background-color: #333;
height: 60px;
width: 100%;
position: fixed;
top: 0;
left: 0;
}

ul{
list-style: none;
float: left;
margin: 0;
padding: 0;
}

li{
display: inline-block;
```

```
margin-right: 20px;
}
a {
text-decoration: none;
color: #fff;
font-size: 16px;
line-height:60px;
padding: 0 10px;
display: block;
}
a:hover {
border-bottom: 2px solid #fff;
}

body {
margin-top: 60px;
}
```

OUTPUT:



RESULT

The given program is exceuted and verified successfully

PRICING CARDS

Ex No 4

Date:

AIM:

To create the program Pricing Cards using html java script processing a visual studio code editor

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

Step-3: Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS and design the program web sites.
- Select the element and tag with curly bracket's then using height, width, color of text applying and background, border, margin, padding applying more properties .

Step-5:

- open the html structure of the file save to using
- File-> Auto save -> then run the program to right click select the open the live server and execute the program using any browser

PROGRAM

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="styles.css">
<title>Responsive Pricing Cards</title>
</head>
<body>
<div class="pricing-cards">
<div class="pricing-card">
<h2>Basic</h2>
<p class="price">$9.99/month</p>
<ul>
<li>Feature 1</li>
<li>Feature 2</li>
<li>Feature 3</li>
</ul>
<button>Select Plan</button>
</div>
<div class="pricing-card">
<h2>Standard</h2>
<p class="price">$19.99/month</p>
<ul>
<li>Feature 1</li>
<li>Feature 2</li>
<li>Feature 3</li>
<li>Feature 4</li>
```

```
</ul>
<button>Select Plan</button>
</div>
<div class="pricing-card">
<h2>Premium</h2>
<p class="price">$29.99/month</p>
<ul>
<li>Feature 1</li>
<li>Feature 2</li>
<li>Feature 3</li>
<li>Feature 4</li>
<li>Feature 5</li>
</ul>
<button>Select Plan</button>
</div>
</div>
</body>
</html>
```

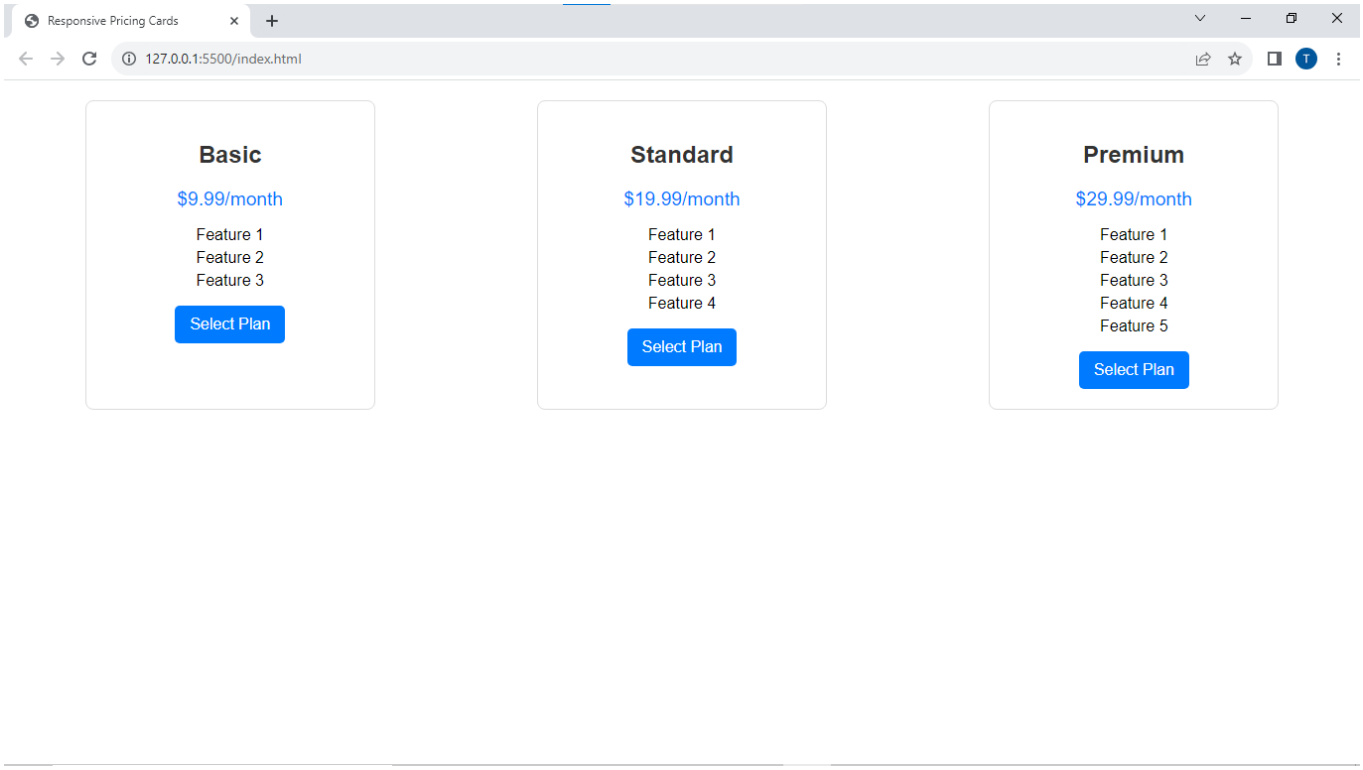
CSS

```
body {
font-family: Arial, sans-serif;
margin: 0;
padding: 0;
box-sizing: border-box;
}
.pricing-cards {
display: flex;
justify-content: space-around;
flex-wrap: wrap;
}
```

```
.pricing-card {
width: 250px;
padding: 20px;
margin: 20px;
border: 1px solid #ddd;
border-radius: 8px;
text-align: center;
}
.pricing-card h2 {
color: #333;
}
.price {
font-size: 1.2em;
color: #007BFF;
margin-bottom: 15px;
}
ul {
list-style: none;
padding: 0;
}
li {
margin-bottom: 5px;
}
```

```
button {
background-color: #007BFF;
color: #fff;
padding: 10px 15px;
border: none;
border-radius: 5px;
cursor: pointer;
font-size: 1em;
transition: background-color 0.3s ease;
}

button:hover {
background-color: #0056b3;
}
```

OUTPUT



RESULT

The given program is exceuted and verified successfully

TAB BAR

Ex No 5

Date:

AIM:

To create the program Tab Bar and application using Html and Css

PROCEDURE:

STEP-1: Start the program.

STEP-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

STEP-3: Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

STEP-4:Create the cascading style sheet

- Open the new file to save the file name .CSS design the program web sites.
- Select the element and tag with curly bracket's then using height, width, color of text applying and background, border, margin, padding applying more properties .

STEP-5:

- open the html structure of the file save to using File-> Auto save -> then run the program
- to right click select the open the live server and execute the program using any browser

PROGRAM:

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Bottom Tab Bar Navigation</title>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width" />
<link rel="stylesheet" href="style.css" />
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/simple-line-icons/2.5.5/css/simple-line-icons.min.css">
</head>
<body>
<nav class="menu">
<a class="nav-item" href="#"><i class="icon-home icons"></i><span class="tab-title">Home</span></a>
<input type="checkbox" name="" class="checkbox">
<div class="checkbox-list">
<a class="nav-item" href="#"><i class="icon-magnifier icons"></i><span class="tab-title">Search</span></a>
<a class="nav-item" href="#"><i class="icon-bell icons"></i><span class="tab-title">Notifications</span></a>
<a class="nav-item" href="#"><i class="icon-heart icons"></i><span class="tab-title">Favorites</span></a>
</div>
<a class="nav-item" href="#"><i class="icon-user icons"></i><span class="tab-title">Your Profile</span></a>
</nav>
</body>
</html>
```

CSS

```
body {
width: 100%;
height: 100vh;
display: flex;
justify-content: center;
align-items: center;
padding: 0;
margin: 0;
background: white;
background: linear-gradient(236deg, rgba(199, 152, 152, 0.817) 0%, #deaed4 100%);
}
a {
text-decoration: none;
font-family: sans-serif;
text-transform: lowercase;
font-size: 1.5em;
color: #222;
}
.menu {
display: flex;
justify-content: space-around;
align-items: center;
position: relative;
width: 500px;
height: 60px;
padding: 0 15px 15px;
border-radius: 10px 10px 30px 30px;
background-color: #fff;
box-shadow: 0px 6px 18px 0px #9f9f9f;
```

```
margin: 10px;
}
.menu .nav-item {
position: relative;
}
.menu .nav-item .tab-title {
display: none;
position: absolute;
top: -40px;
left: 50%;
transform: translate(-50%, 0);
font-size: 12px;
background: #222;
color: #fff;
padding: 5px;
border-radius: 5px;
width: max-content;
text-transform: capitalize;
}
.menu .nav-item .tab-title:before {
content: "";
position: absolute;
border-color: #222 transparent transparenttransparent;
border-style: solid;
border-width: 6px;
width: 0px;
height: 0px;
bottom: -12px;
left: 50%;
transform: translate(-50%, 0);
```

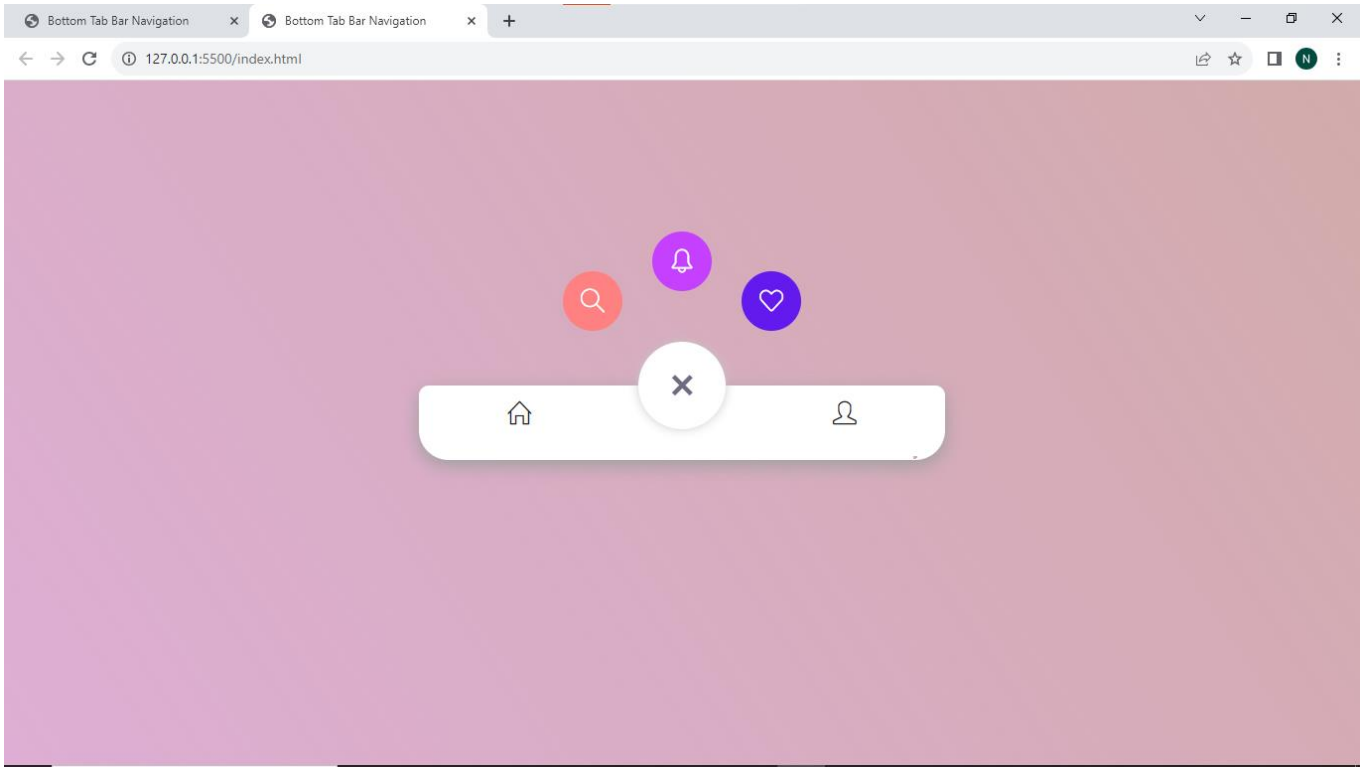
```
}
.menu .nav-item:hover .tab-title {
display: block;
}
.menu .checkbox {
background-color: #fff;
cursor: pointer;
width: 0;
height: 0;
position: relative;
z-index: 1;
}
.menu .checkbox:before {
content: "";
width: 80px;
aspect-ratio: 1;
transform: translate(-50%, -50%);
top: -30px;
left: 0;
position: absolute;
border-radius: 100%;
background-color: #ea4c89;
transition: all 0.2s linear;
border: 4px solid #fff;
}
.menu .checkbox:after {
content: "+";
position: absolute;
font-size: 4em;
color: #fff;
```

```
top: -30px;
left: 0;
transform: translate(-50%, -50%);
transition: all 0.1s linear;
}
.menu .checkbox:checked + * {
top: -100px;
transform: rotate(0deg);
}
.menu .checkbox:checked + * .nav-item {
border-radius: 100%;
display: flex;
align-items: center;
justify-content: center;
width: 60px;
aspect-ratio: 1;
position: absolute;
left: 0;
transform: translate(-50%, -15px);
}
.menu .checkbox:checked + * .nav-item:hover .tab-title {
display: block !important;
}
.menu .checkbox:checked + * .nav-item >i {
color: #fff;
display: block;
transition: all 0.5s linear;
}
.menu .checkbox:checked + * .nav-item:nth-child(1) {
background-color: #ff8182;
```

```
top: 0px;
left: -90px;
}
.menu .checkbox:checked + * .nav-item:nth-child(2) {
background-color: #c641ff;
left: 0;
top: -40px;
}
.menu .checkbox:checked + * .nav-item:nth-child(3) {
background-color: #631aee;
top: 0px;
left: 90px;
}
.menu .checkbox:checked:before {
background-color: #fff;
box-shadow: 0 0 10px #c7c7c7;
}
.menu .checkbox:checked:after {
transform: translate(-50%, -50%) rotate(45deg);
color: #6e6b83;
}
.menu .checkbox-list {
position: absolute;
top: 0;
display: block;
z-index: 0;
transform: rotate(-90deg) translate(0, -50%);
transition: all 0.1s linear;
}
.menu .checkbox-list .nav-item {
```

```
border-radius: 100%;
display: flex;
align-items: center;
justify-content: center;
width: 60px;
aspect-ratio: 1;
position: absolute;
transform: translate(15px, -50%);
transition: all 0.2s linear;
}
.menu .checkbox-list .nav-item .tab-title {
display: none;
}
.menu .checkbox-list .nav-item >i {
color: #fff;
display: block;
}
.menu .checkbox-list .nav-item:nth-child(1) {
background-color: #ff8182;
left: -72px;
}
.menu .checkbox-list .nav-item:nth-child(2) {
background-color: #c641ff;
left: -68px;
}
.menu .checkbox-list .nav-item:nth-child(3) {
background-color: #631aee;
left: -64px;
}
```

OUTPUT



RESULT

The given program is exceuted and verified successfully

EMBED VIDEO INTO YOUR HTML WEB PAGE

Ex No 6

Date:

AIM:

To create the program Embed video into your HTML web page using html processing a visual studio code editor.

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs.
- Link a label, input text, email, title, submit button.

Step-3: Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS and design the program web sites.
- Select the element and tag with curly bracket's then using height, width, color of text applying and background, border, margin, padding, applying more properties.

Step-5:

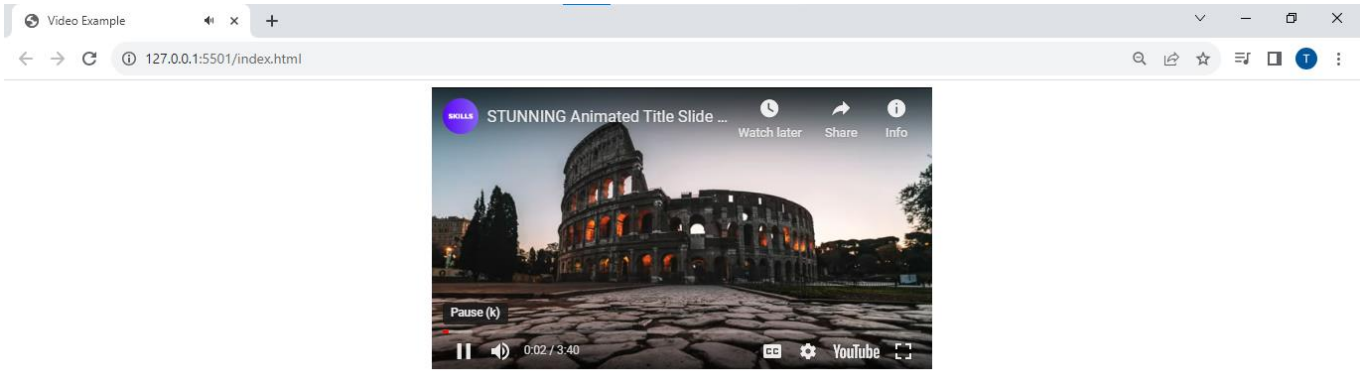
- open the html structure of the file save to using
- File-> Auto save -> then run the program to right click select the open the live server and execute the program using any browser.

PROGRAM

HTML

```
<!DOCTYPE html>
<html>
<head>
<title>Video Example</title>
</head>
<body>
<div align ="center">
<iframe width="560" height="315" src="https://www.youtube.com/embed
/j3LVNLtJkRU?si=-AQzvmaPKdovZviL" title="YouTube video player" frameborder="0"
 allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope;
picture-in-picture; web-share" allowfullscreen></iframe>
</div>
</body>
</html>
```

OUTPUT



RESULT

The given program is exceuted and verified successfully

DIGITAL CLOCK

Ex No 7

Date:

AIM:

To create the program Digital Clock using html java script processing a visual studio code editor

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

Step-3:Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS
  and design the program web sites. Select the element and tag with curly bracket's
- then using height, width, color of text applying and background ,border, margin, padding
- applying more properties .

Step-5:

- open the html structure of the file save to using File-> Auto save -> then run the program
- to right click select the open the live server and execute the program using any browser

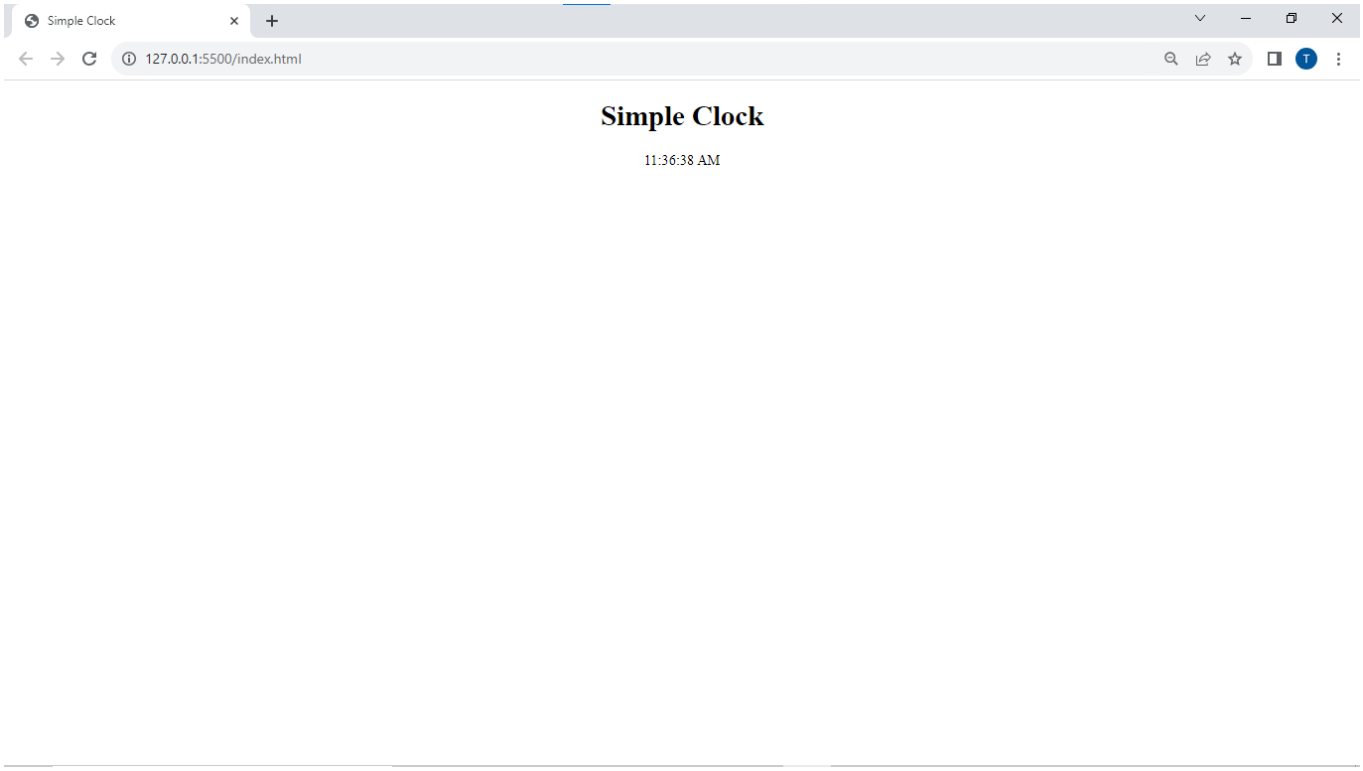
PROGRAM

HTML

```
<!DOCTYPE html>
<html>
<head>
<title>Simple Clock</title>
<script>
function updateClock() {
var currentTime = new Date();
var hours = currentTime.getHours();
var minutes = currentTime.getMinutes();
var seconds = currentTime.getSeconds();

// Add leading zeros to minutes and seconds if less than 10
minutes = (minutes <10 ? "0" : "") + minutes;
seconds = (seconds <10 ? "0" : "") + seconds;

// Choose between 12-hour or 24-hour format
var timeFormat = hours >= 12 ? "PM" : "AM";
hours = hours % 12;
hours = hours ? hours : 12;

// Display the time in HTML element with id="clock"
document.getElementById('clock').innerHTML = hours + ":" + minutes + ":" + seconds +
" " + timeFormat;
}
```

```
// Update the clock every second
setInterval(updateClock, 1000);

// Initial call to display the clock immediately
updateClock();
</script>
</head>
<body>
<h1>Simple Clock</h1>
<div id="clock"></div>
</body>
</html>
```

OUTPUT



RESULT

The given program is exceuted and verified successfully

MARQUEE TAG

Ex No 8

Date:

AIM:

To create the program Marquee Tagusing html processing a visual studio code editor

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

Step-3:Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS
  and design the program web sites. Select the element and tag with curly bracket's
- then using height, width, color of text applying and background ,border, margin, padding
- applying more properties .

Step-5:

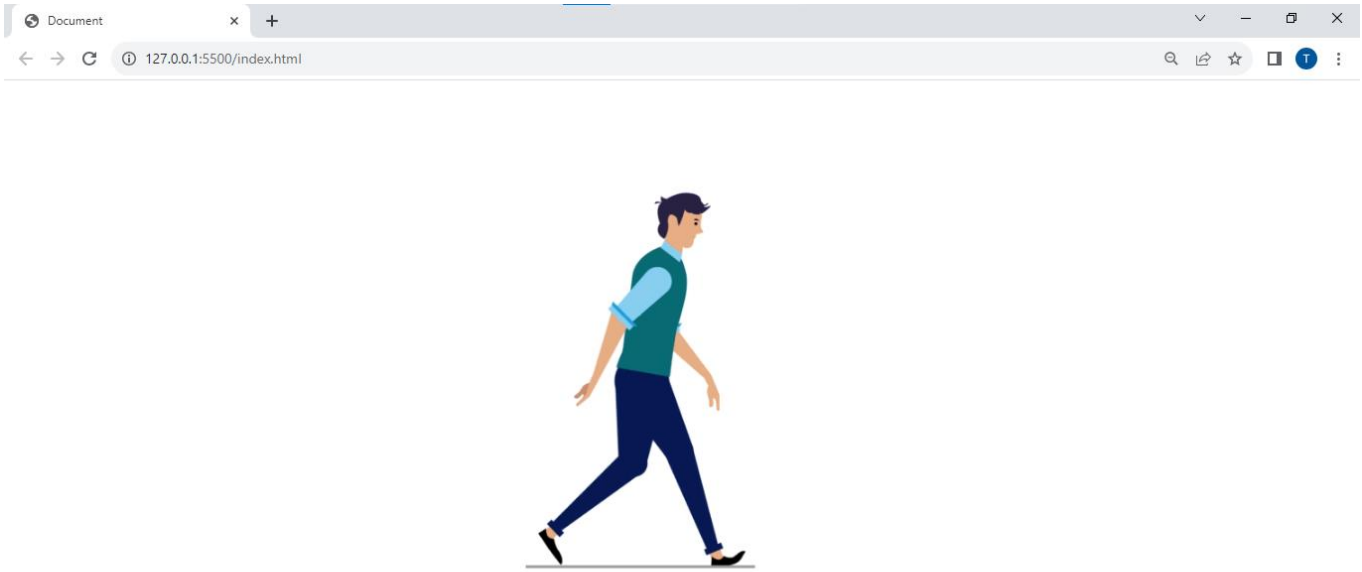
- open the html structure of the file save to using File-> Auto save -> then run the program
- to right click select the open the live server and execute the program using any browser

PROGRAM

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
</head>
<body >
<marquee behavior="" direction="right"><img
src="https://cdn.dribbble.com/users/2059394/screenshots/4690216/800.gif"
alt=""></marquee>
</body>
</html>
```

OUTPUT



RESULT

The given program is exceuted and verified successfully

CALENDER

Ex No 9

Date:

AIM:

To create the program Calenderusing Html and Css

PROCEDURE:

STEP-1: Start the program.

STEP-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

STEP-3:Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

STEP-4:Create the cascading style sheet

- Open the new file to save the file name .CSS
  and design the program web sites. Select the element and tag with curly bracket's
- then using height, width, color of text applying and background ,border, margin, padding
- applying more properties .

STEP-5:

- open the html structure of the file save to using File-> Auto save -> then run the program
- to right click select the open the live server and execute the program using any browser

PROGRAM:

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container">
<div class="left">
<p id="date">01</p>
<p id="day">sunday</p>
</div>
<div class="right">
<p id="month">january</p>
<p id="year">2020</p>
</div>
</div>


<script>const date=document.getElementById("date");
const day=document.getElementById("day");
const month=document.getElementById("month");
const year=document.getElementById("year");
const today=new Date();
```

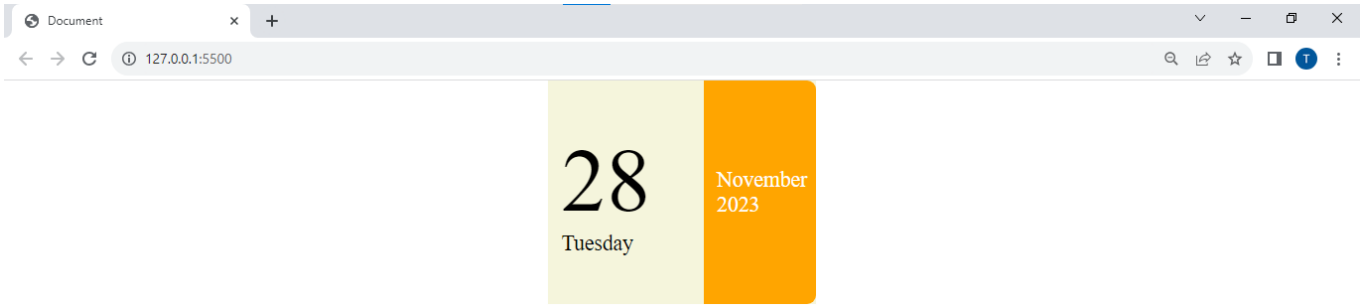
```
const
weekdays=["Sunday","Monday","Tuesday","Wednesday","Thursday","Friday","Saturday"
];
const
allmonths=["January","Feburary","March","April","may","June","July","August","Septe
mber","October","November","December"];
date.innerHTML=(today.getDate()<10?"0":"")+today.getDate();
day.innerHTML=weekdays[today.getDay()];
month.innerHTML=allmonths[today.getMonth()];
year.innerHTML=today.getFullYear();
</script>
</body>
</html>
```

CSS

```
*{
    margin: 0%;
    padding: 0%;
    box-sizing: border-box;
}
body{
    height: 100%;
    width: 100%;
    display: flex;
    justify-content: center;
    align-items: center;
}
.container{
   width: 300px;
   height: 250px;
   background-color: beige;
```

```
   display: flex;
   align-items: center;

}
.left,.right{
    width: 50%;
    height: 100%;
display:flex;
    justify-content: center;
    flex-direction: column;
    padding-left: 15px;
    font-size: 24px;
}
.right{
    background-color: orange;
    color: white;
    width: 42%;
    border-top-right-radius:10px;
    border-bottom-right-radius:10px;
}
.left{
    width: 58%;

}
#date{
    font-size: 100px;
}
```

OUTPUT



RESULT

The given program is exceuted and verified successfully

CALCULATOR

Ex No 10

Date:

AIM:

To create the program Calculator and validate it using html java script processing a visual studio code editor

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

Step-3:Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS
  and design the program web sites. Select the element and tag with curly bracket's
- then using height, width, color of text applying and background ,border, margin, padding
- applying more properties .

Step-5:

- open the html structure of the file save to using File-> Auto save -> then run the program
- to right click select the open the live server and execute the program using any browser

PROGRAM

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="style.css">
<title>Fancy Calculator</title>
</head>
<body>
<div class="calculator">
<input type="text" id="display" readonly>
<div class="buttons">
<button class="operator" onclick="appendToDisplay('/')">/</button>
<button class="number" onclick="appendToDisplay('7')">7</button>
<button class="number" onclick="appendToDisplay('8')">8</button>
<button class="number" onclick="appendToDisplay('9')">9</button>
<button class="operator" onclick="appendToDisplay('*')">*</button>
<button class="number" onclick="appendToDisplay('4')">4</button>
<button class="number" onclick="appendToDisplay('5')">5</button>
<button class="number" onclick="appendToDisplay('6')">6</button>
<button class="operator" onclick="appendToDisplay('-')">-</button>
<button class="number" onclick="appendToDisplay('1')">1</button>
<button class="number" onclick="appendToDisplay('2')">2</button>
<button class="number" onclick="appendToDisplay('3')">3</button>
<button class="operator" onclick="appendToDisplay('+')">+</button>
<button class="number" onclick="appendToDisplay('0')">0</button>
<button class="number" onclick="appendToDisplay('.')">.</button>
<button class="equal" onclick="calculateResult()">=</button>
```

```
<button class="cbtn" class="clear" onclick="clearDisplay()">C</button>
</div>
</div>
<script src="script.js"></script>
</body>
</html>
```

CSS

```
body {
display: flex;
align-items: center;
justify-content: center;
height: 100vh;
margin: 0;
background-color: #f5f5f5;
}
.calculator {
text-align: center;
background-color: #fff;
border-radius: 10px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
padding: 20px;
}
#display {
width: 100%;
margin-bottom: 10px;
padding: 10px;
font-size: 24px;
box-sizing: border-box;
```

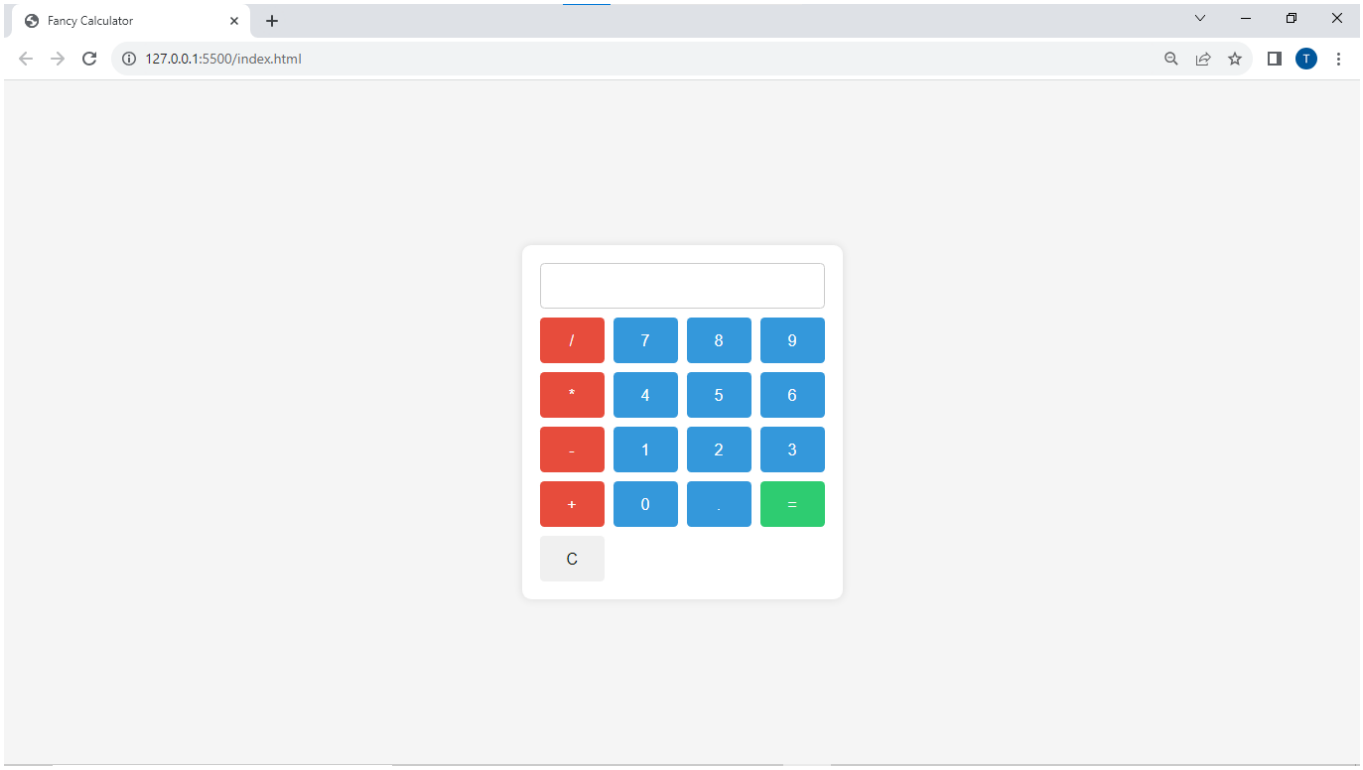
```
border: 1px solid #ccc;
border-radius: 5px;
}

.buttons {
display: grid;
grid-template-columns: repeat(4, 1fr);
gap: 10px;
}

button {
width: 100%;
padding: 15px;
font-size: 18px;
border: none;
border-radius: 5px;
cursor: pointer;
transition: background-color 0.3s ease;
}
.number {
background-color: #3498db;
color: #fff;
}
.operator {
background-color: #e74c3c;
color: #fff;
}
.equal {
background-color: #2ecc71;
color: #fff;
```

```
}
.clear {
background-color: #95a5a6;
color: #fff;
}
button:active {
background-color: #ccc;
}
```

JAVASCRIPT

```
let display = document.getElementById('display');
function appendToDisplay(value) {
display.value += value;
}
function clearDisplay() {
display.value = '';
}
function calculateResult() {
    try {
display.value = eval(display.value);
    } catch (error) {
display.value = 'Error';
    }
}
```

OUTPUT



RESULT

The given program is exceuted and verified successfully

TIME TABLE

Ex No 11

Date:

AIM:

To create the program Time Tableusing html processing a visual studio code editor

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

Step-3:Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS
  and design the program web sites. Select the element and tag with curly bracket's
- then using height, width, color of text applying and background ,border, margin, padding
- applying more properties .

Step-5:

- open the html structure of the file save to using File-> Auto save -> then run the program
- to right click select the open the live server and execute the program using any browser

PROGRAM

HTML

```
<html>
<head>
<title>Timetable</title>
</head>
<body>
<h1 align="center"><font color="Salmon">Timetable of III
CSE</font></h1><br>
<table align="center" border="2" cellspacing="0" cellpadding="15">
<tr align="center" valign=="middle">
<th>DAY</th>
<th>I</th>
<th>II</th>
<th
rowspan="7"><b>T<br>E<br>A<br><br>B<br>R<br>E<br>A<br>K</b></th>
<th>III</th>
<th>IV</th>
<th
rowspan="7"><b>L<br>U<br>N<br>C<br>H<br><br>B<br>R<br>E<br>A<br>K</b>
</th>
<th>V</th>
<th>VI</th>
<th>VII</th>
</tr>
<tr align="center">
<th>MON</th>
<td>IS</td>
<td>WT</td>
<td>SEM</td>
```

<td>OOAD</td>

<td>SCI</td>

<td>C#</td>

<td>COMP</td>

</tr>

<tr align="center">

<th>TUE</th>

<td>AP</td>

<td>AP Lab</td>

<td colspan="2">AP Lab</td>

<td>WT</td>

<td>IS</td>

<td>OOAD</td>

</tr>

<tr align="center">

<th>WED</th>

<td>WT</td>

<td>IS</td>

<td>C#</td>

<td>SCI</td>

<td colspan="3">MOOC'S</td>

</tr>

<tr align="center">

<th>THU</th>

<td>IS</td>

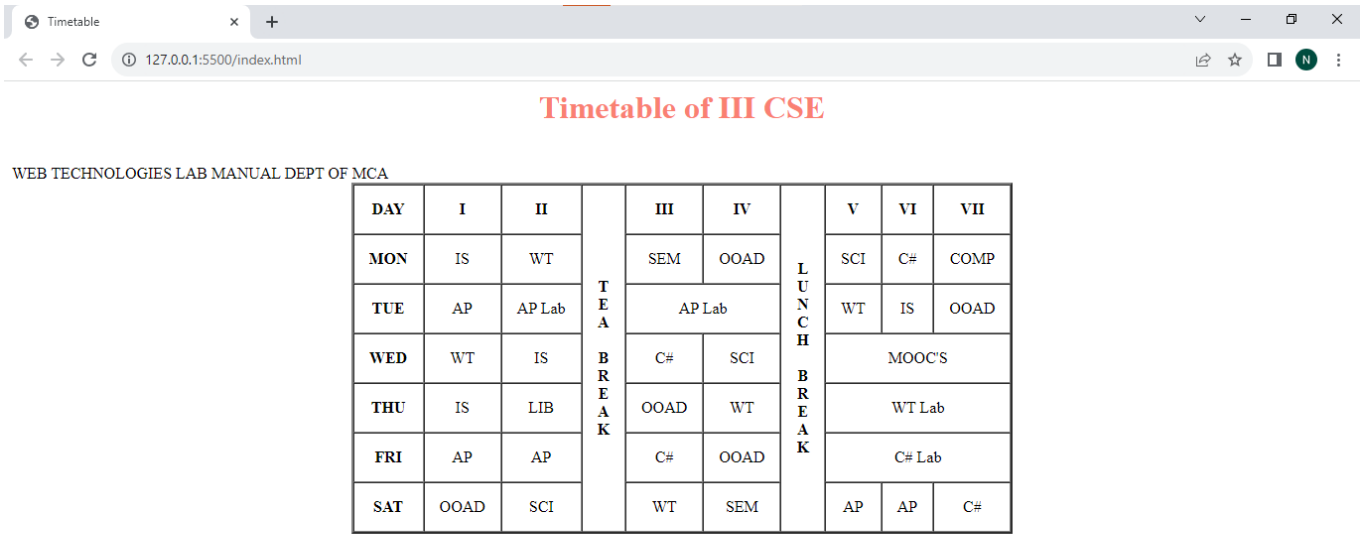
<td>LIB</td>

<td>OOAD</td>

<td>WT</td>

```
<td colspan="3">WT Lab</td>
</tr>
<tr align="center">

<th>FRI</th>
<td>AP</td>
<td>AP</td>
<td>C#</td>
<td>OOAD</td>
<td colspan="3">C# Lab</td>
</tr>
<tr align="center">
<th>SAT</th>
<td>OOAD</td>
<td>SCI</td>
<td>WT</td>
<td>SEM</td>
<td>AP</td>
<td>AP</td>
<td>C#</td>
</tr>
</table>
</body>
</html>
```

OUTPUT:



DAY	I	II	TEA BREAK	III	IV	LUNCH BREAK	V	VI	VII
MON	IS	WT		SEM	OOAD		SCI	C#	COMP
TUE	AP	AP Lab		AP Lab			WT	IS	OOAD
WED	WT	IS		C#	SCI		MOOC'S		
THU	IS	LIB		OOAD	WT		WT Lab		
FRI	AP	AP		C#	OOAD		C# Lab		
SAT	OOAD	SCI		WT	SEM		AP	AP	C#

RESULT

The given program is exceuted and verified successfully

ANIMATED BUTTONS

Ex No 12

Date:

AIM:

To create the program Animated Button using html java script processing a visual studio code editor

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

Step-3:Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS
  and design the program web sites. Select the element and tag with curly bracket's
- then using height, width, color of text applying and background ,border, margin, padding
- applying more properties .

Step-5:

- open the html structure of the file save to using File-> Auto save -> then run the program
- to right click select the open the live server and execute the program using any browser

PROGRAM

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Glow Button</title>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width" />
<link rel="stylesheet" href="style.css" />
</head>
<body>
<a href="#">
<span></span>
<span></span>
<span></span>
<span></span>
Neon button
</a>
<a href="#">
<span></span>
<span></span>
<span></span>
<span></span>
Neon button
</a>
<a href="#">
<span></span>
<span></span>
<span></span>
<span></span>
```

```
Neon button
</a>
</body>
</html>
```

CSS

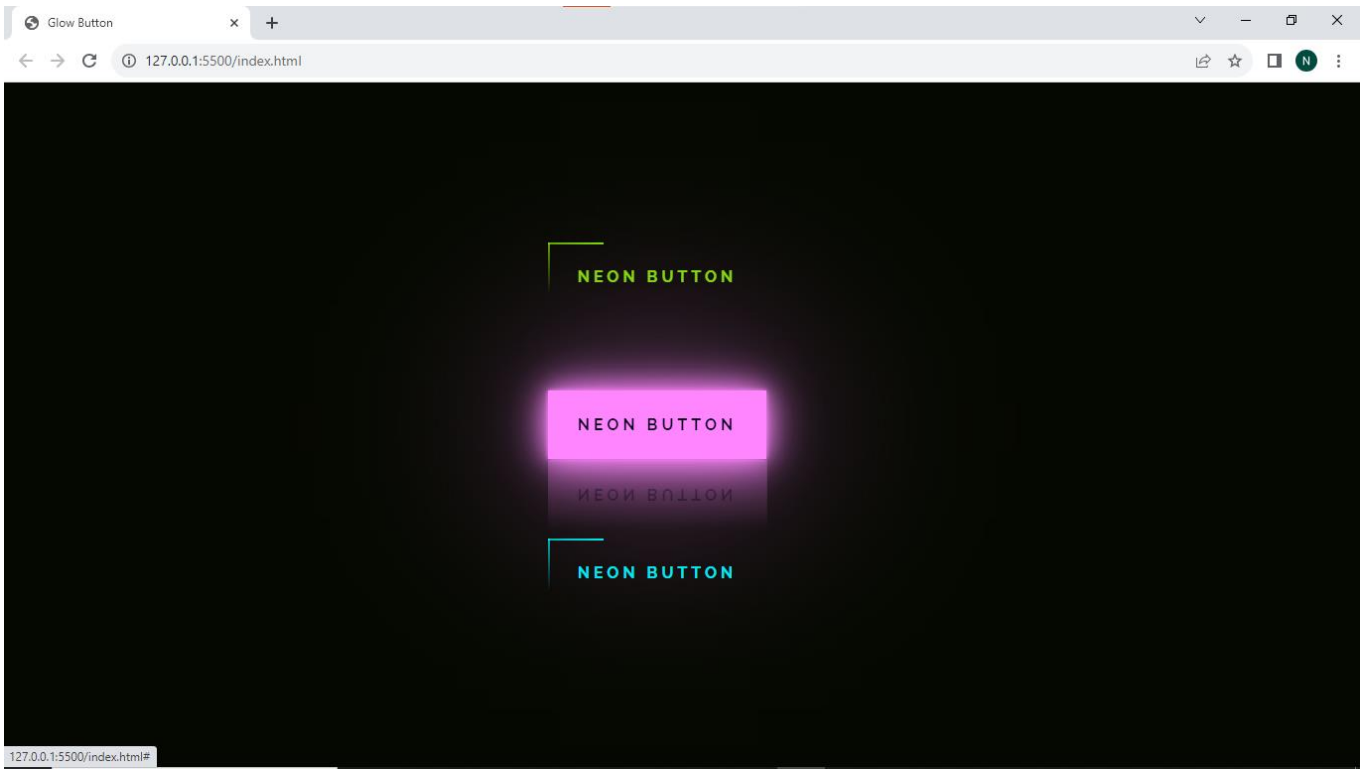
```
@import
url('https://fonts.googleapis.com/css2?family=Raleway:wght@400;700&display=swap');
*{
margin: 0;
padding: 0;
box-sizing: border-box;
}
body{
display: flex;
justify-content: center;
align-items: center;
flex-direction: column;
height: 100vh;
background: #050801;
font-family: 'Raleway', sans-serif;
font-weight: bold;
}
a{
position: relative;
display: inline-block;
padding: 25px 30px;
margin: 40px 0;
color: #03e9f4;
text-decoration: none;
text-transform: uppercase;
```

```
transition: 0.5s;
letter-spacing: 4px;
overflow: hidden;
margin-right: 50px;

}
a:hover{
background: #03e9f4;
color: #050801;
box-shadow: 0 0 5px #03e9f4,
0 0 25px #03e9f4,
0 0 50px #03e9f4,
0 0 200px #03e9f4;
-webkit-box-reflect:below 1px linear-gradient(transparent, #0005);
}
a:nth-child(1){
filter: hue-rotate(270deg);
}
a:nth-child(2){
filter: hue-rotate(110deg);
}
a span{
position: absolute;
display: block;
}
a span:nth-child(1){
top: 0;
left: 0;
width: 100%;
height: 2px;
```

```
background: linear-gradient(90deg,transparent,#03e9f4);
animation: animate1 1s linear infinite;
}
@keyframes animate1{
0%{
left: -100%;
}
50%,100%{
left: 100%;
}
}
a span:nth-child(2){
top: -100%;
right: 0;
width: 2px;
height: 100%;
background: linear-gradient(180deg,transparent,#03e9f4);
animation: animate2 1s linear infinite;
animation-delay: 0.25s;
}
@keyframes animate2{
0%{
top: -100%;
}
50%,100%{
top: 100%;
}
}
a span:nth-child(3){
bottom: 0;
```

```
right: 0;
width: 100%;
height: 2px;
background: linear-gradient(270deg,transparent,#03e9f4);
animation: animate3 1s linear infinite;
animation-delay: 0.50s;
}
@keyframes animate3{
0%{
right: -100%;
}
50%,100%{
right: 100%;
}
}
a span:nth-child(4){
bottom: -100%;
left: 0;
width: 2px;
height: 100%;
background: linear-gradient(360deg,transparent,#03e9f4);
animation: animate4 1s linear infinite;
animation-delay: 0.75s;
}
@keyframes animate4{
0%{
bottom: -100%;
}
50%,100%{
bottom: 100%;}}
```

OUTPUT:



RESULT:

The given program is exceuted and verified successfully

DARK MODE THEME

Ex No 13

Date:

AIM:

To create the program Animated Dark mode Button using html java script processing a visual studio code editor

PROCEDURE:

Step-1: Start the program.

Step-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

Step-3:Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

Step-4:Create the cascading style sheet

- Open the new file to save the file name .CSS
  and design the program web sites. Select the element and tag with curly bracket's
- then using height, width, color of text applying and background ,border, margin, padding
- applying more properties .

Step-5:

- open the html structure of the file save to using File-> Auto save -> then run the program
- to right click select the open the live server and execute the program using any browser

PROGRAM:

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>Dark Mode</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="switch">Dark mode:
<span class="inner-switch">OFF</span>
</div>
<h1 class="title">Animals</h1>
<article>
<h1>Tiger</h1>
<p><small>Lorem ipsum dolor sit, ametconsecteturadipisicingelit. Tenetur, laudantium.</small></p>
<p>Lorem ipsum dolor, sit ametconsecteturadipisicingelit. Eius, nulla. Debitis qui quam, rationetotamvoluptatibus vitae necessitatibus sit laudantium, optioquisnamquidemestofficia nemo architecto cum repellendusdoloresevenietullameligendiporro?</p>
<imgsrc="tiger.avif">
<p>Lorem ipsum, dolor sitametconsecteturadipisicingelit. Praesentiumtempora error delenitieum facilis eaquenequelaboriosamrepellatmolestiaedeserunt, aliquidnumquam a, nisi qui ipsadebitisobcaecati, voluptateexpeditaveritatissimiliquelaudantium. Magni dolorumdolores labore eiusaut. Fugiat.</p>
</article>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.4.0/jquery.min.js"></script>
<script src="script.js"></script>
```

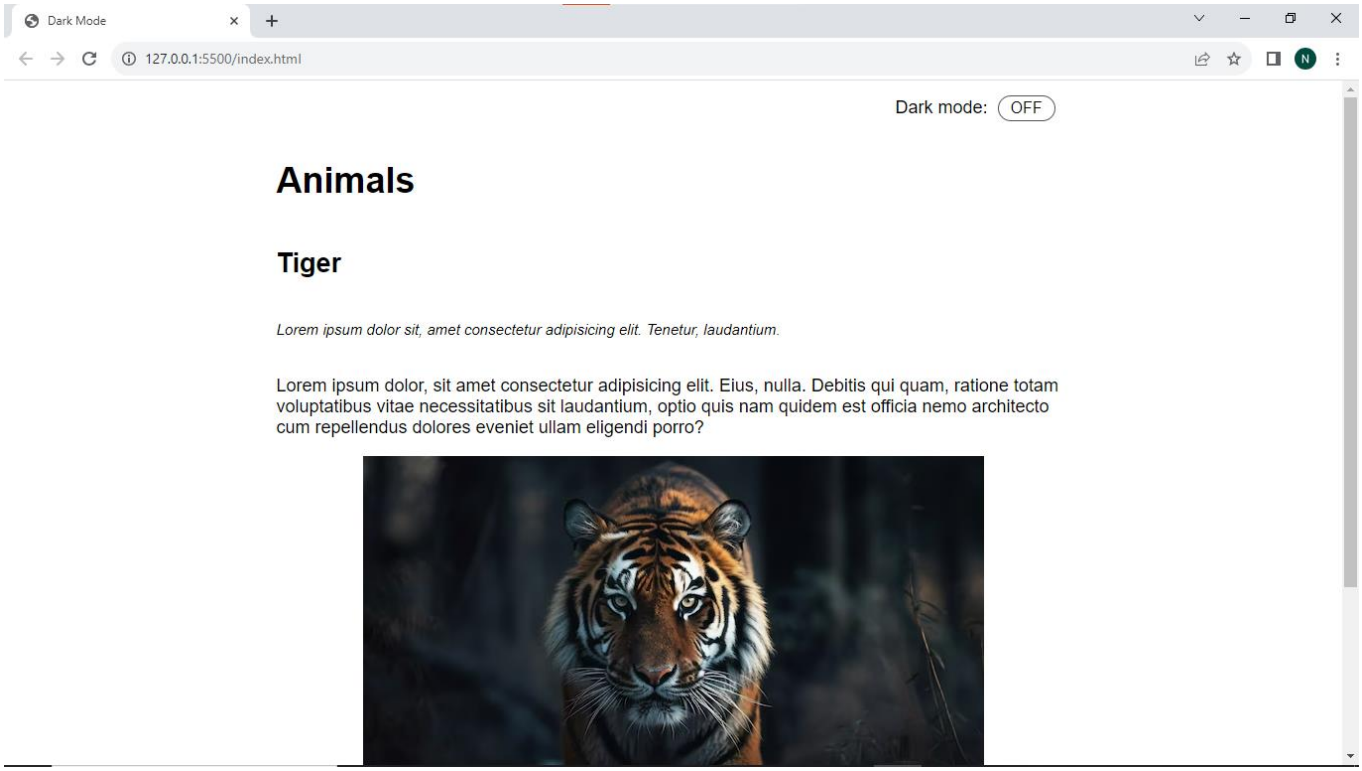
```
</body>

<script>$( ".inner-switch" ).on("click", function() {
if( $( "body" ).hasClass( "dark" )) {
$( "body" ).removeClass( "dark" );
$( ".inner-switch" ).text( "OFF" );
} else {
$( "body" ).addClass( "dark" );
$( ".inner-switch" ).text( "ON" );
}
});</script>
</html>
```

CSS:

```
body {
    font-family: sans-serif;
    font-size: 1.125rem;
    display: flex;
    flex-direction: column;
    max-width: 50rem;
    margin: 0 auto;
    padding: 0 0.9375rem;
  }
  small {
    font-style: italic;
  }
  article {
    display: flex;
    flex-direction: column;
  }
```

```
img {
    max-width: 100%;
    display: block;
    align-self: center;
  }
.switch {
    align-self: flex-end;
    margin: 0.9375rem;
  }
.inner-switch {
    display: inline-block;
    cursor: pointer;
    border: 1px solid #555;
    border-radius: 1.25rem;
    width: 3.125rem;
    text-align: center;
    font-size: 1rem;
    padding: 0.1875rem;
    margin-left: 0.3125rem;
  }

.dark,
.dark * {
    background-color: #222;
    color: #e6e6e6;
    border-color: #e6e6e6;
  }
```

OUTPUT:



RESULT:

The given program is exceuted and verified successfully

QUIZ APPLICATION

Ex No 14

Date:

AIM:

To create the program Quiz application using Html Css and Js

PROCEDURE:

STEP-1: Start the program.

STEP-2: Creating a new project:

- Open the visual studio code and then click on File-> New-> New project.
- Then create the html form container div inside apply the label and other inputs
- Link a label, input text, email, title ,submit button

STEP-3: Create the logical program:

- Then create the one JavaScript code save the program .javascript then link a
- Program with html using link tag

STEP-4:Create the cascading style sheet

- Open the new file to save the file name .CSS and design the program web sites.
- Select the element and tag with curly bracket's then using height, width, color of text applying and background ,border, margin, padding applying more properties .

STEP-5:

- open the html structure of the file save to using
- File-> Auto save -> then run the program to right click select the open the live server and execute the program using any browser

PROGRAM:

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>Dark Mode</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="switch">Dark mode:
<span class="inner-switch">OFF</span>
</div>
<h1 class="title">Animals</h1>
<article>
<h1>Tiger</h1>
<p><small>Lorem ipsum dolor sit, ametconsecteturadipisicingelit. Tenetur, laudantium.</small></p>
<p>Lorem ipsum dolor, sit ametconsecteturadipisicingelit. Eius, nulla. Debitis qui quam, rationetotamvoluptatibus vitae necessitatibus sit laudantium, optioquisnamquidemestofficia nemo architecto cum repellendusdoloresevenietullameligendiporro?</p>
<imgsrc="tiger.avif">
<p>Lorem ipsum, dolor sitametconsecteturadipisicingelit. Praesentiumtempora error delenitieum facilis eaquenequelaboriosamrepellatmolestiaedeserunt, aliquidnumquam a, nisi qui ipsadebitisobcaecati, voluptateexpeditaveritatissimiliquelaudantium. Magni dolorumdolores labore eiusaut. Fugiat.</p>
</article>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.4.0/jquery.min.js"></script>
<script src="script.js"></script>
```

```
</body>

<script>$( ".inner-switch" ).on("click", function() {
if( $( "body" ).hasClass( "dark" )) {
$( "body" ).removeClass( "dark" );
$( ".inner-switch" ).text( "OFF" );
} else {
$( "body" ).addClass( "dark" );
$( ".inner-switch" ).text( "ON" );
}
});</script>
</html>
```

CSS:

```
body {
font-family: 'Arial', sans-serif;
background-color: #f0f0f0;
margin: 0;
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
}

.quiz-container {
text-align: center;
background-color: #fff;
padding: 20px;
border-radius: 10px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
```

```
}
h1 {
color: #333;
}
.options-container {
margin-top: 20px;
}
button {
background-color: #007BFF;
color: #fff;
margin: 20px;
padding: 10px 20px;
font-size: 16px;
cursor: pointer;
border: none;
border-radius: 5px;
}
button:hover {
background-color: #0056b3;
}
```

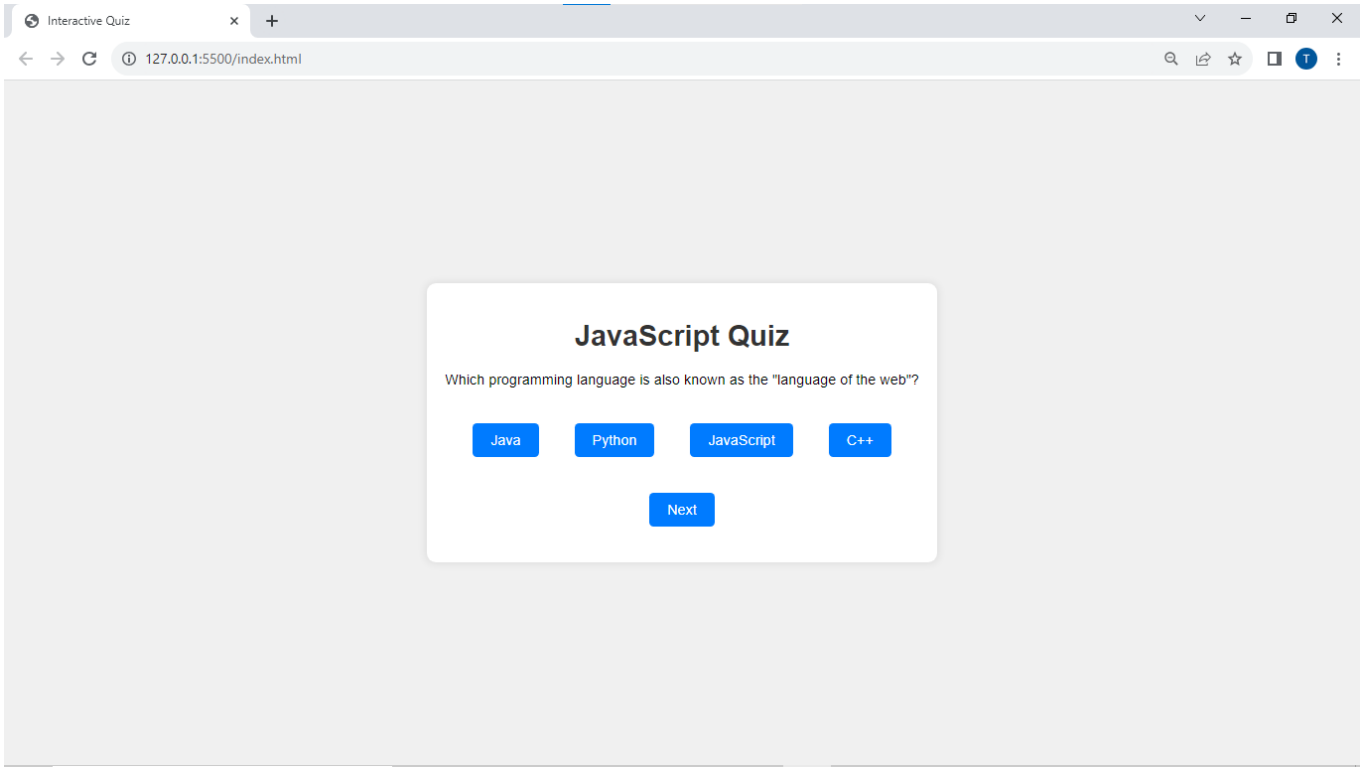
JAVASCRIPT:

```
const quizData = [
  {
    question: 'What is the capital of France?',
    options: ['Paris', 'Berlin', 'Madrid', 'Rome'],
correctAnswer: 'Paris'
  },
  {
```

```
    question: 'Which programming language is also known as the "language of the web"?',
    options: ['Java', 'Python', 'JavaScript', 'C++'],
correctAnswer: 'JavaScript'
  },
  // Add more quiz questions as needed
];

const questionContainer = document.getElementById('question-container');
const optionsContainer = document.getElementById('options-container');
const nextButton = document.getElementById('next-button');

let currentQuestionIndex = 0;

function loadQuestion() {
  const currentQuestion = quizData[currentQuestionIndex];
questionContainer.innerText = currentQuestion.question;

optionsContainer.innerHTML = '';
currentQuestion.options.forEach((option) => {
    const button = document.createElement('button');
button.innerText = option;
button.classList.add('option-button');
button.addEventListener('click', () =>checkAnswer(option));
optionsContainer.appendChild(button);
  });
}

function checkAnswer(selectedOption) {
  const currentQuestion = quizData[currentQuestionIndex];
```

```
  if (selectedOption === currentQuestion.correctAnswer) {
      // Handle correct answer
      alert('Correct!');
  } else {
      // Handle incorrect answer
alert(`Incorrect. The correct answer is ${currentQuestion.correctAnswer}.`);
  }

currentQuestionIndex++;

  if (currentQuestionIndex<quizData.length) {
loadQuestion();
  } else {
alert('Quiz completed!'); // You can customize this message or redirect to another page
currentQuestionIndex = 0; // Reset quiz for potential restart
loadQuestion();
  }
}
nextButton.addEventListener('click', () => {
currentQuestionIndex++;
  if (currentQuestionIndex<quizData.length) {
loadQuestion();
  } else {
alert('Quiz completed!'); // You can customize this message or redirect to another page
currentQuestionIndex = 0; // Reset quiz for potential restart
loadQuestion();
  }});
// Initial load
loadQuestion();
```

OUTPUT:



RESULT:

The given program is exceuted and verified successfully