Design Tools Workshop – I

Course Code : 20ME1103

L-T-P-S- structure : 0-0-4-0

Credits : 2

Topic: Simple HTML Web page

Session No: 5

Department of ME

A COMPLETE SOLUTION TO

DESIGN TOOLS WORKSHOP

23ME1103

Simple HTML Web page

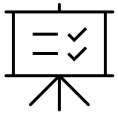
Session-5

EXIT

AIM OF THE SESSION

To familiarize students with the HTML Web page

INSTRUCTIONAL OBJECTIVES



This Session is designed to: Obtain knowledge of HTML Web page

LEARNING OUTCOMES

At the end of this session, you should be able to: Understand the HTML Web page

SESSION INTRODUCTION

Programmable logic falls into two different types:

1. Understanding of HTML commands in creating HTML Web page

2. Understanding of CSS commands in creating HTML Web page

SESSION DESCRIPTION

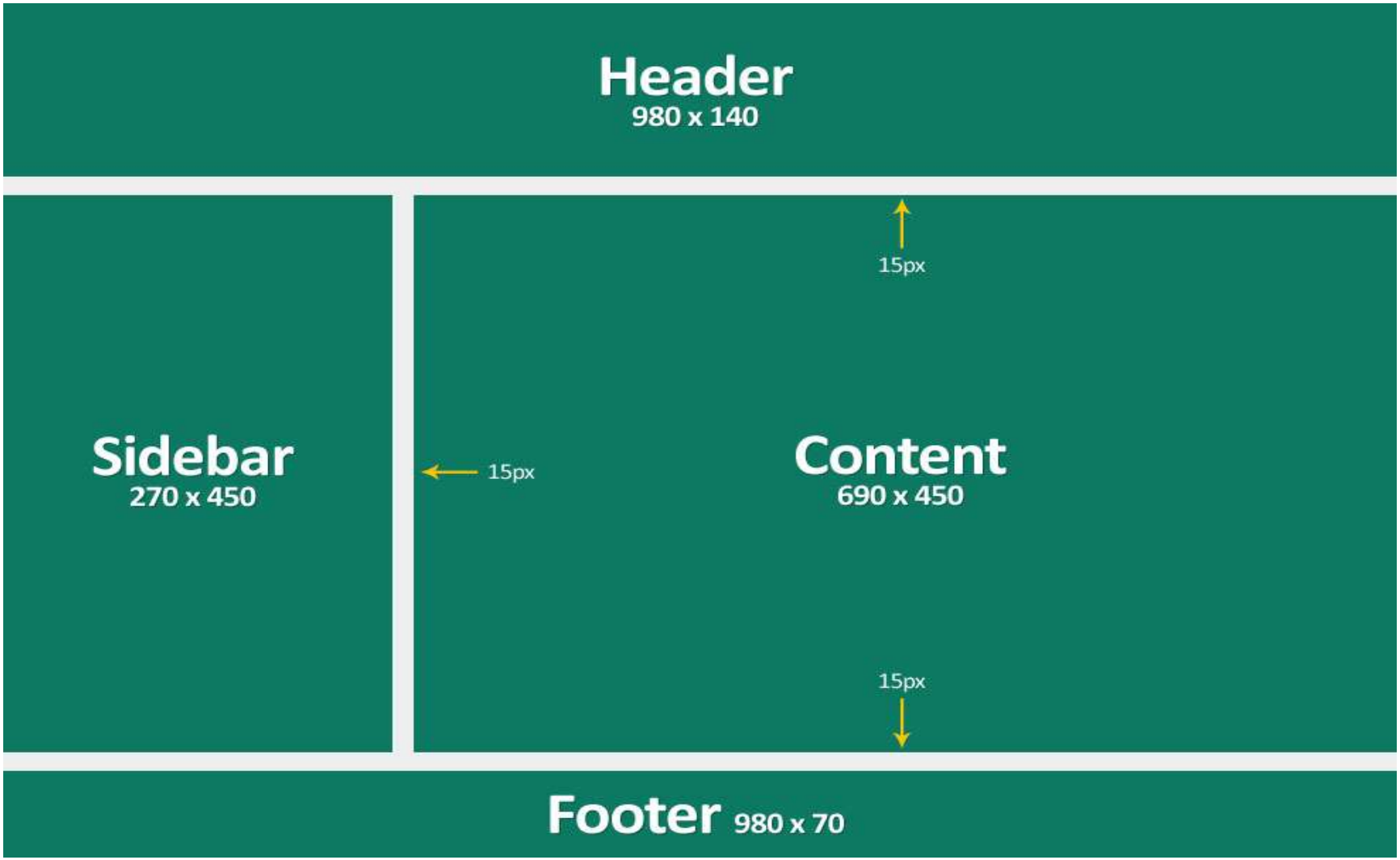
Session 5: Topics to be covered

- CSS
- Advantages of CSS
- Creates and Maintains CSS
- CSS Versions
- CSS Syntax
- Three Ways to Insert CSS
- CSS Box Model
- CSS Website Layout
- Responsive Website Layout

Session Plan: 5

- **Summary of Last Session- 5 min**
- **Topic –Creating Responsive web page with HTML5 and CSS3 20min**
- **Split to sections- 5min**
- **Experimentation using tool -40 min**
- **Assessment and Interaction (Active Learning Method) – 10 min**
- **Documenting Results Summary and result Explanation- 20 min**
- **Submitting as Assignment in LMS**

Basic HTML Web Page Design Layout



No Style - Basic HTML web page

Welcome to My Homepage

Use the menu to select different Stylesheets

- Stylesheet 1
- Stylesheet 2
- Stylesheet 3
- Stylesheet 4
- No Stylesheet

Same Page Different Stylesheets

This is a demonstration of how different stylesheets can change the layout of your HTML page. You can change the layout of this page by selecting different stylesheets in the menu, or by selecting one of the following links:
Stylesheet1, Stylesheet2, Stylesheet3, Stylesheet4.

No Styles

This page uses DIV elements to group different sections of the HTML page. Click here to see how the page looks like with no stylesheet:
No Stylesheet.

Side-Bar

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Style 1

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Use the menu to select different Stylesheets
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Stylesheet 2
Stylesheet 3
Stylesheet 4
No Stylesheet
Same Page Different Stylesheets
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Stylesheet1, Stylesheet2, Stylesheet3, Stylesheet4.
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This page uses DIV elements to group different sections of the HTML page. Click here to see how the page looks like with no stylesheet:
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Stylesheet 2
Stylesheet 3
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Style 3

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Same Page Different Stylesheets

This is a demonstration of how different stylesheets can change the layout of your HTML page. You can change the layout of this page by selecting different stylesheets in the menu, or by selecting one of the following links: Stylesheet1, Stylesheet2, Stylesheet3, Stylesheet4.

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Side-Bar

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Style 4

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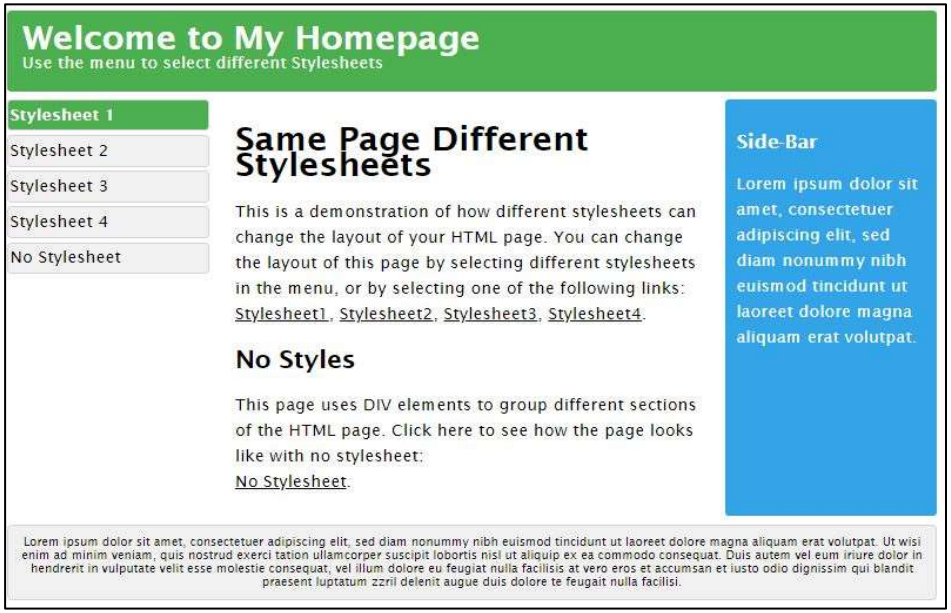
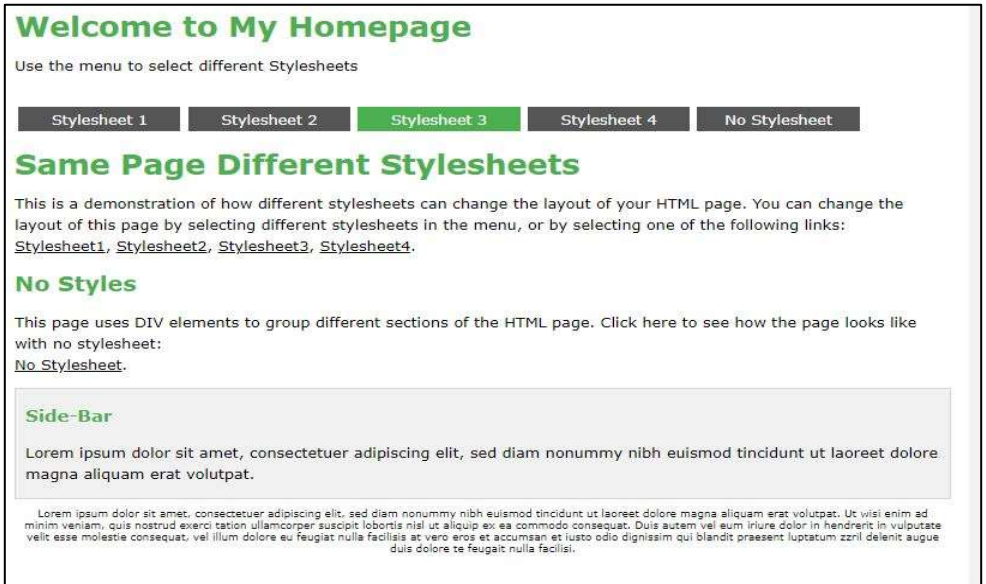
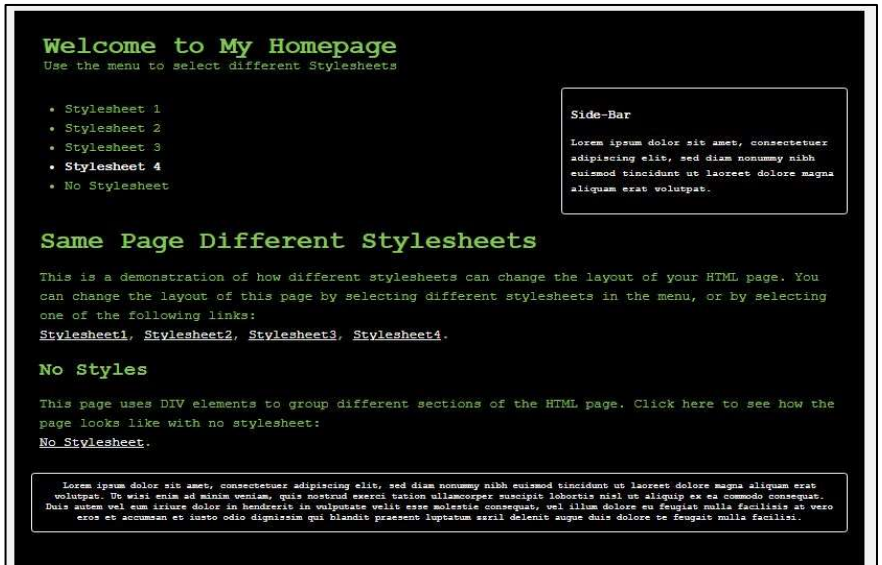
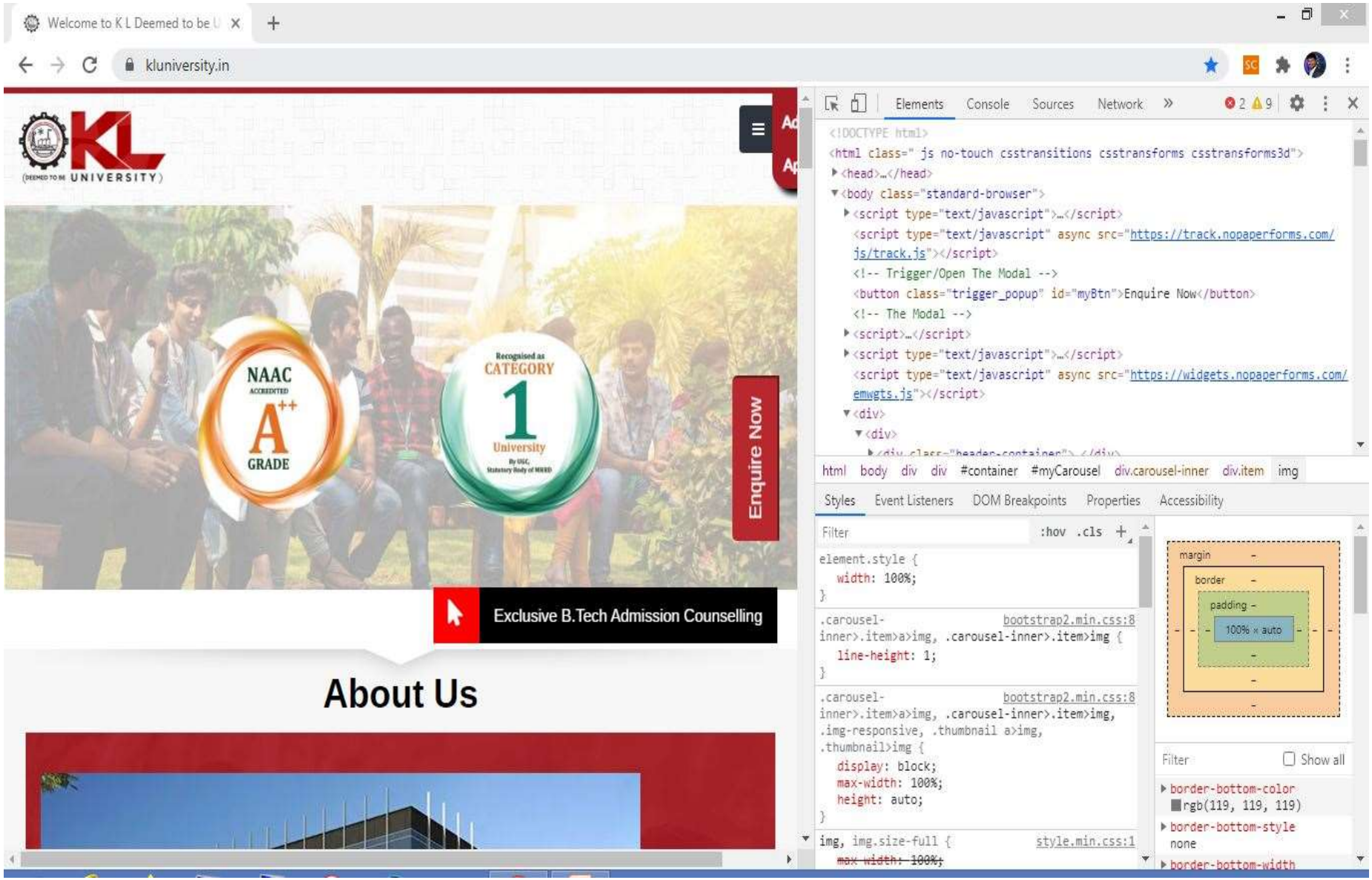
Different Styles of web pages








Welcome to K L Deemed to be U
kluniversity.in
UNIVERSITY
NAAC
ACCREDITED
A++
GRADE
Recognised as
CATEGORY
1
University
Enquire Now
Exclusive B.Tech Admission Counselling
About Us
Elements
Console
Sources
Network
<!DOCTYPE html>
<html class=" js no-touch csstransitions csstransforms csstransforms3d">
<head>…</head>
<body class="standard-browser">
<script type="text/javascript">…</script>
<script type="text/javascript" async src="https://track.nopaperforms.com/js/track.js"></script>
<!-- Trigger/Open The Modal -->
<button class="trigger_popup" id="myBtn">Enquire Now</button>
<!-- The Modal -->
<script>…</script>
<script type="text/javascript">…</script>
<script type="text/javascript" async src="https://widgets.nopaperforms.com/emwgts.js"></script>

html body div div #container #myCarousel div.carousel-inner div.item img
Styles
Event Listeners
DOM Breakpoints
Properties
Accessibility
Filter
:hov .cls
element.style {
width: 100%;
}
.carousel-inner>.item>a>img, .carousel-inner>.item>img {
line-height: 1;
}
bootstrap2.min.css:8
.carousel-inner>.item>a>img, .carousel-inner>.item>img, .img-responsive, .thumbnail a>img, .thumbnail>img {
display: block;
max-width: 100%;
height: auto;
}
bootstrap2.min.css:8
img, img.size-full {
max-width: 100%;
style.min.css:1
margin
border
padding
100% × auto
Filter
Show all
border-bottom-color
rgb(119, 119, 119)
border-bottom-style
none
border-bottom-width

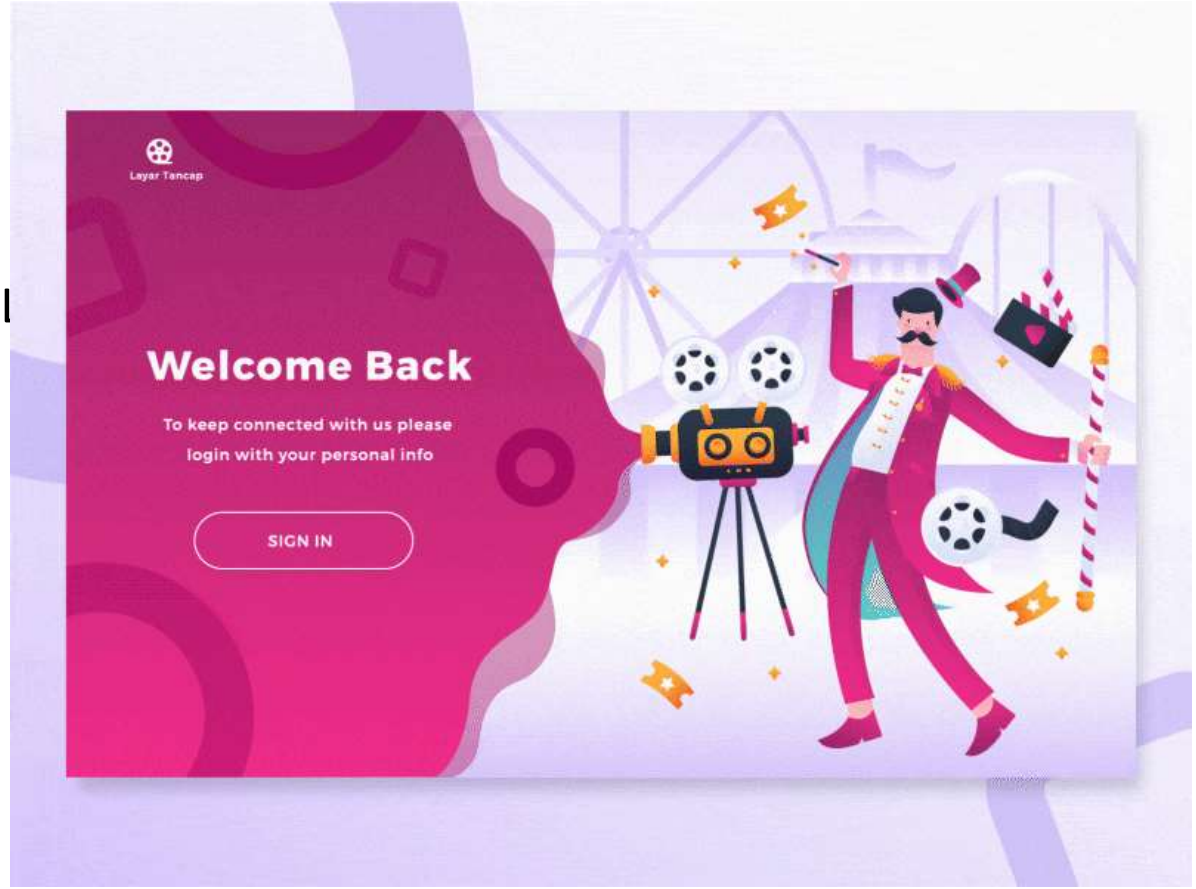
Creating Web Page by CSS

What is CSS ?

- **CSS stands for Cascading Style Sheets**
- **It is used to control style of web documents**
- **Handles look and feel of web pages**
- **CSS can control the layout of multiple web pages all at once**
- **External style sheets are stored in CSS files**

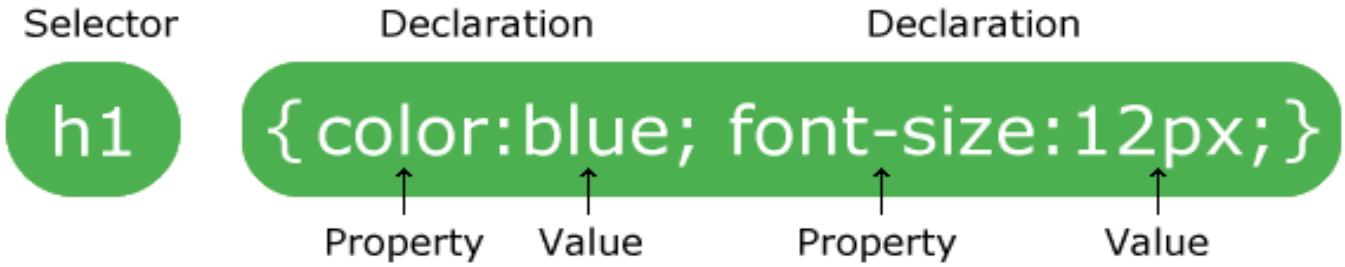
Why CSS ?

- saves time
- Page loads faster
- Easy maintenance
- Superior styles of HTML
- Multiple device compatibility



CSS Syntax

- A CSS rule-set consists of a selector and a declaration block:



- The selector points to the HTML element you want to style.
- The declaration block contains one or more declarations separated by semicolons.
- Each declaration includes a CSS property name and a value, separated by a colon.
- Multiple CSS declarations are separated with semicolons, and declaration blocks are surrounded by curly braces.

CSS styling (Background, text, format, controlling fonts)

Basic HTML Structure:

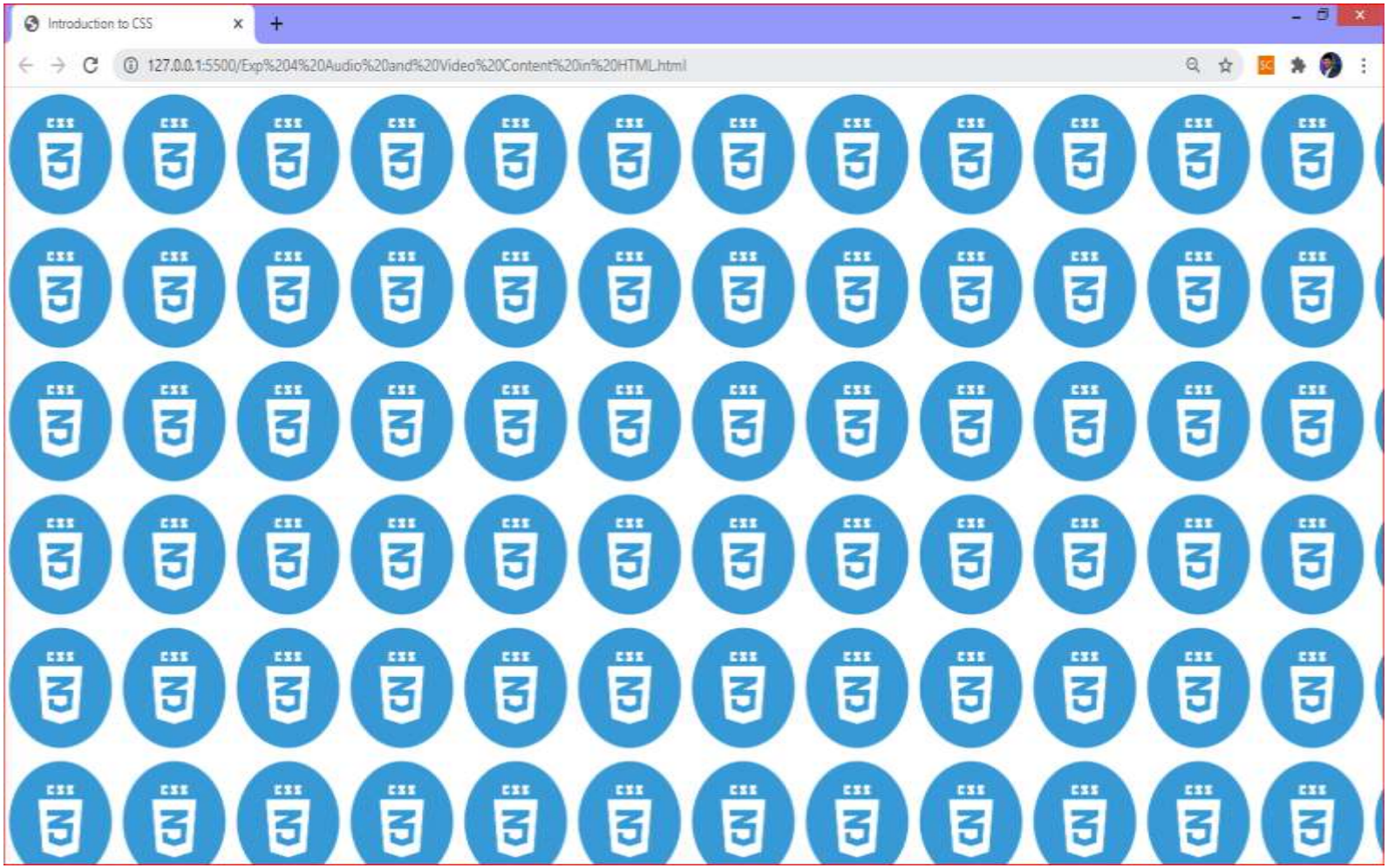
```
<!DOCTYPE html>
<html>
<head>
……
……
……
……
……
……
</head>
<body>
<h1>My First CSS Example</h1>
<p>This is a paragraph</p>
</body>
</html>
```

CSS Code:

```
<style>
body{background-color: blueviolet}
h1{color: white;text-align:center}
p{font-family: verdana;font-size: 20px}
</body>
</style>
```

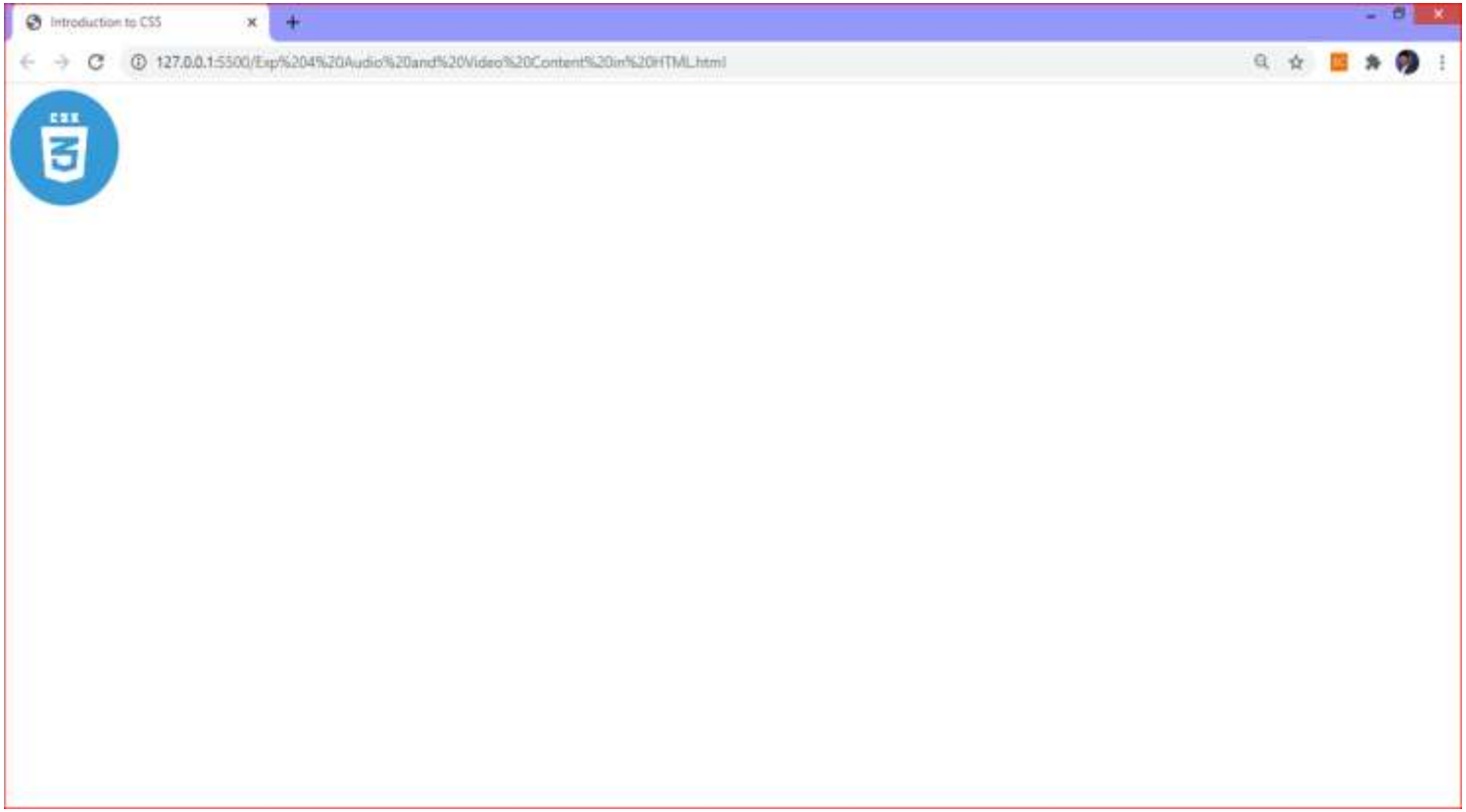
I) CSS background image setting:

```
<body background="css.png">
```

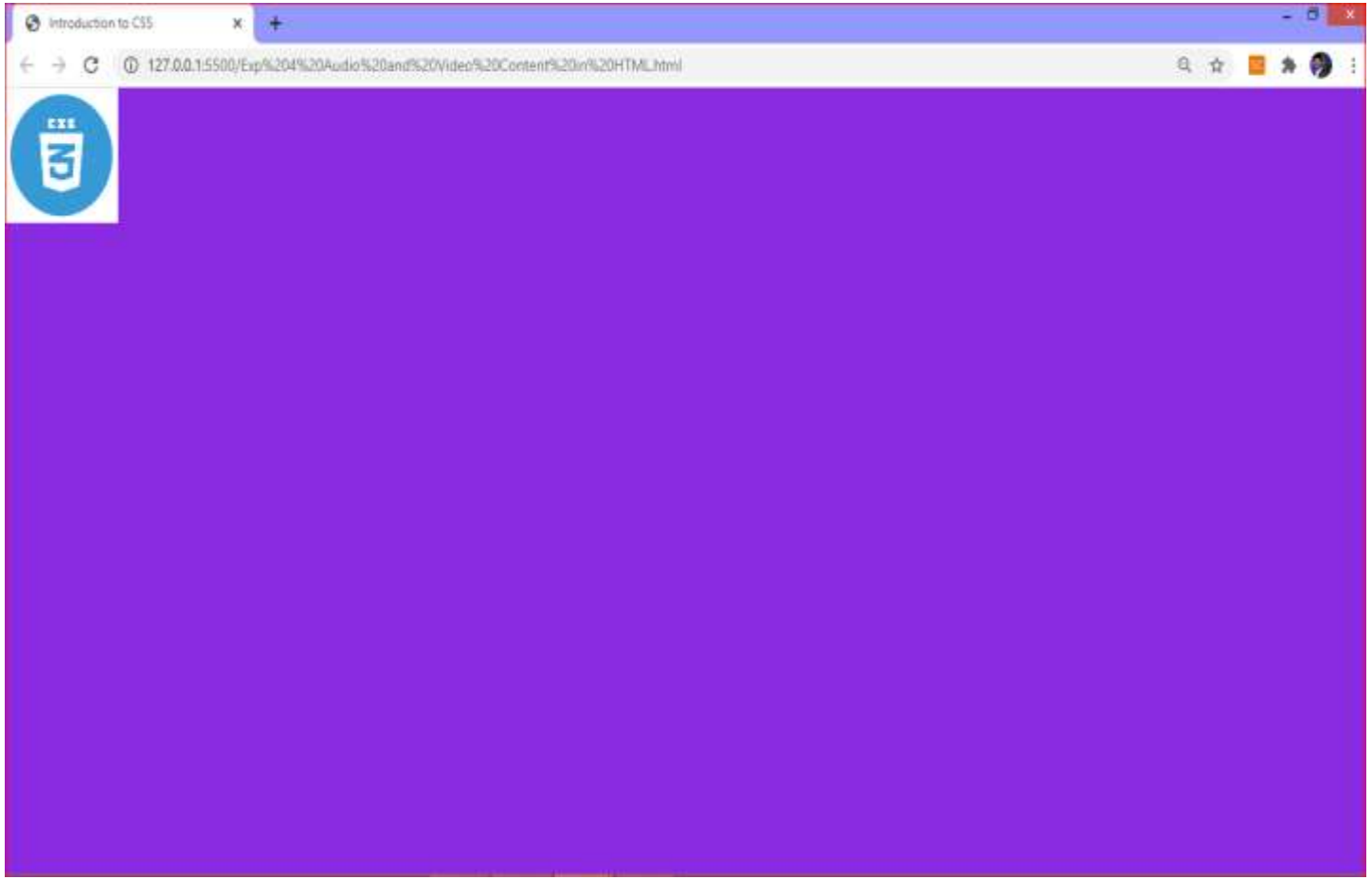


- Actually we required only one time. There HTML fa
control, by that time we required CSS, and in CSS st
attribute we are going to handle this problem.

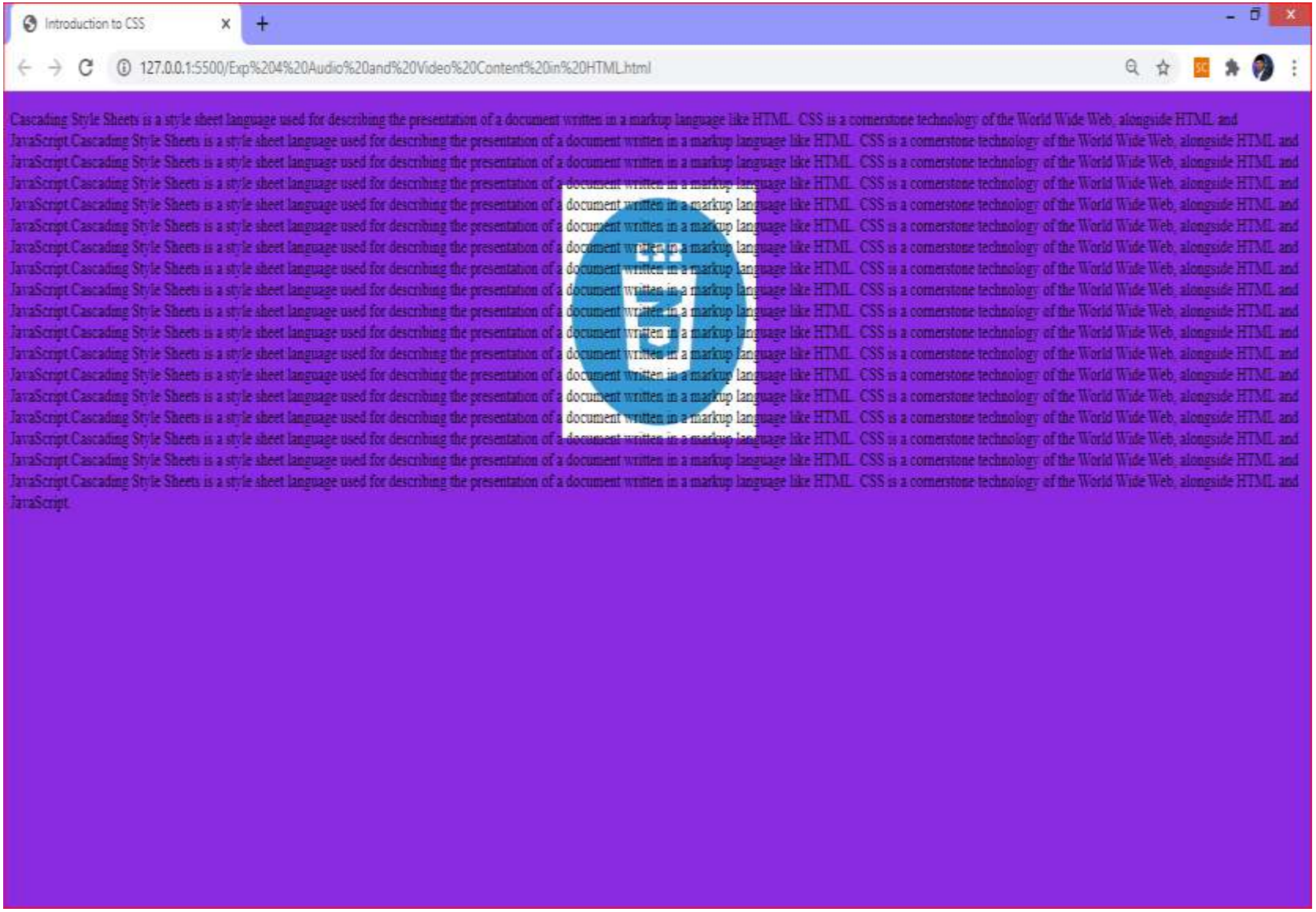
<body background="css.png"; style="background-repeat: no-repeat">



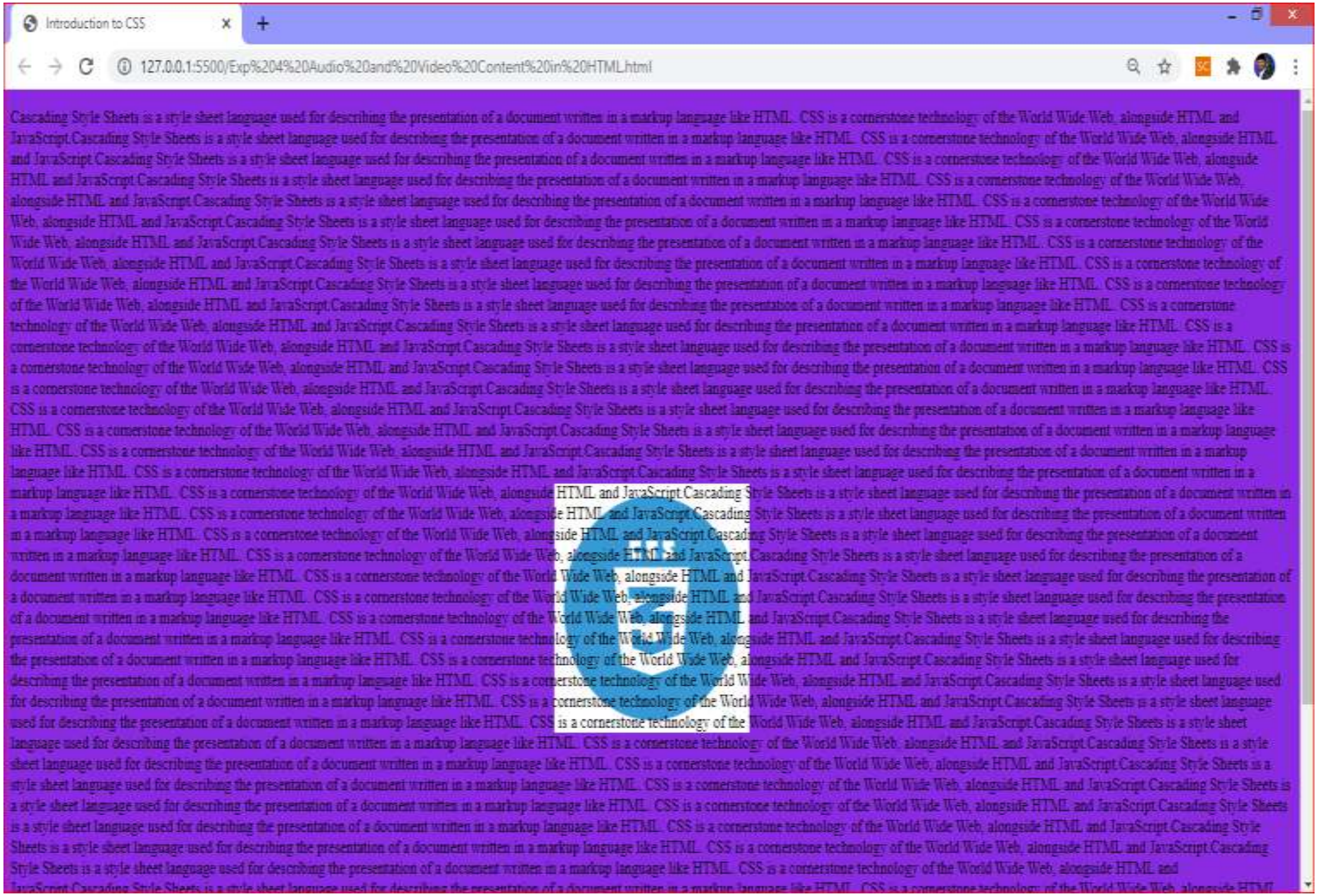
<body background="css.png"; style="background-repeat: no-repeat;background-color: blueviolet;">



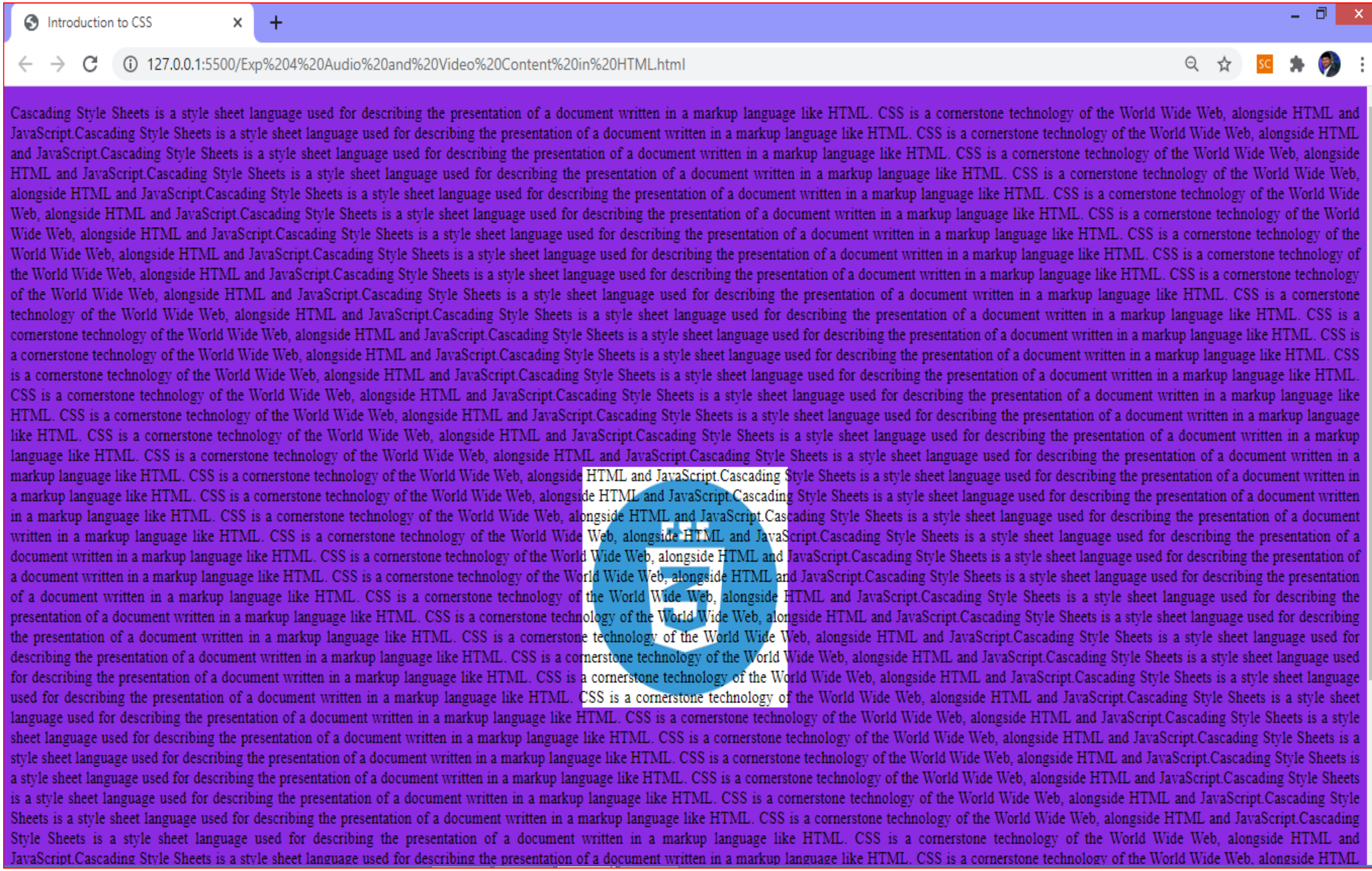
- **Adding some text as paragraph:**



<body background="css.png"; style="background-repeat: no-repeat;background-position: center;background-color: blueviolet;">

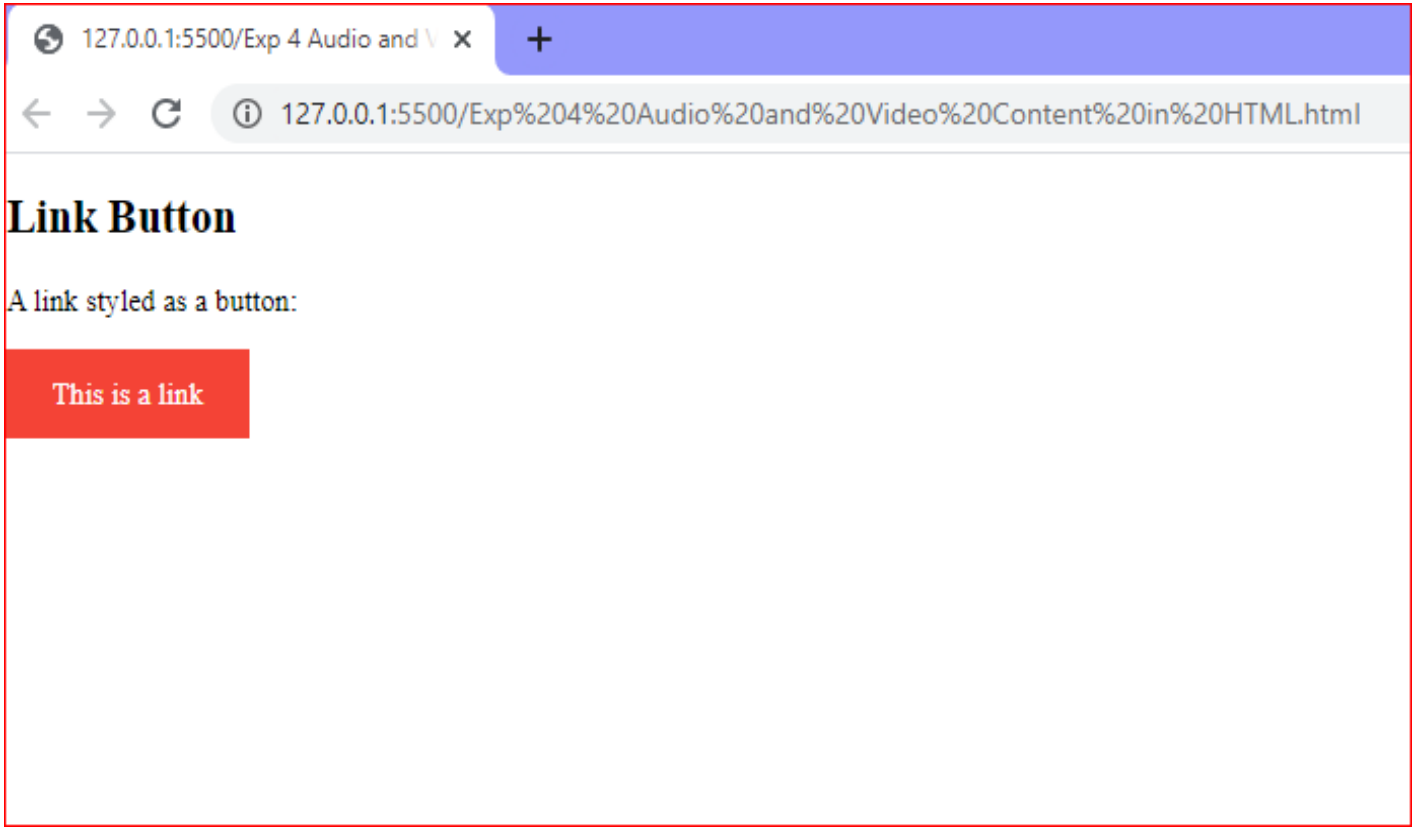


- text-align: justify

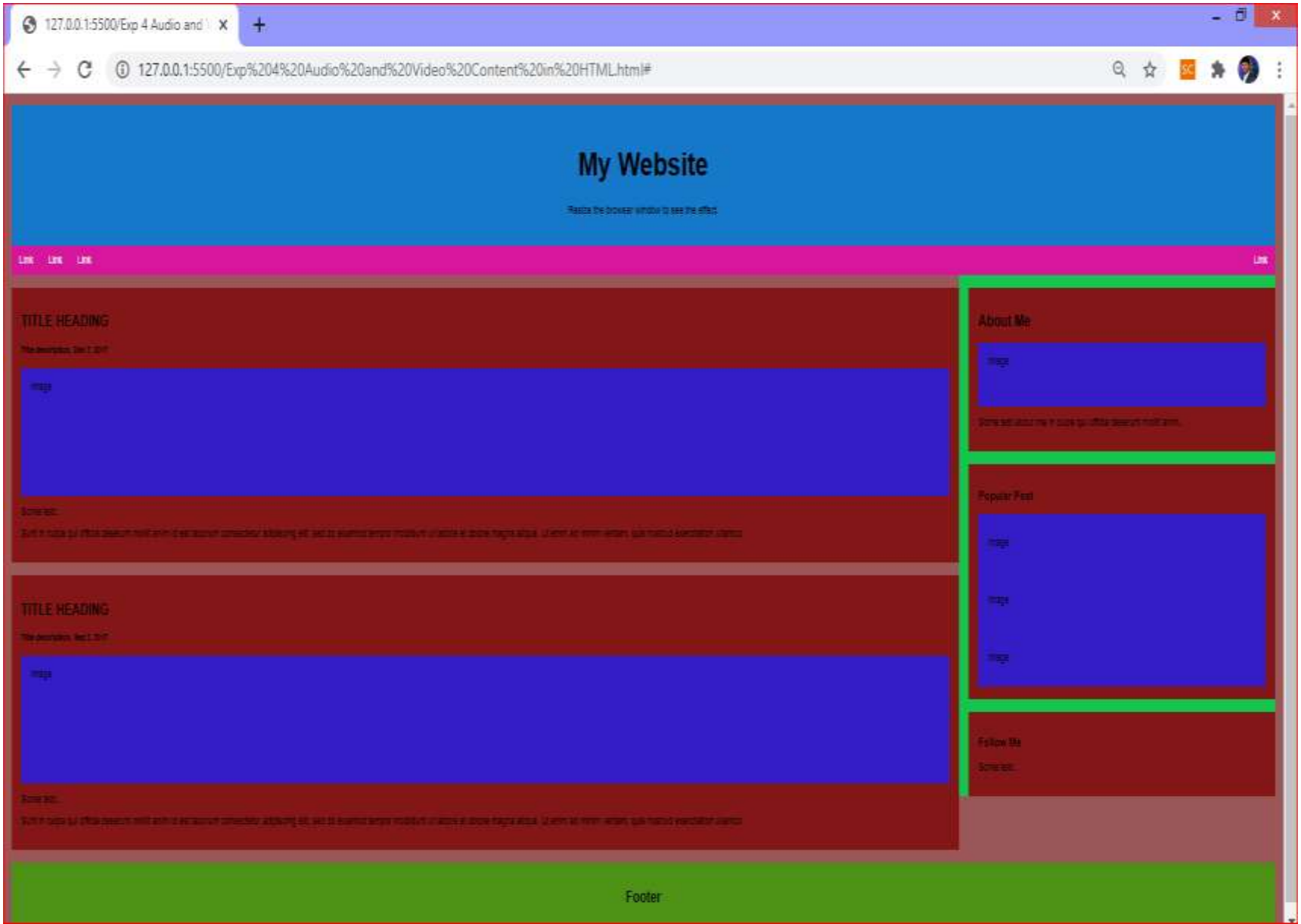


II) CSS link button:

```
<style>
a:link, a:visited {  background-color: #f44336;  color: white;  padding: 14px 25px;
  text-align: center;text-decoration: none;display: inline-block;
}
a:hover, a:active {background-color: red;
}
</style>
```



III) CSS Website Layout:



SUMMARY

- Understanding about the Simple HTML Web page

SELF-ASSESSMENT QUESTIONS

1. Mention HTML commands in creating HTML Web page

2. Mention CSS commands in creating HTML Web page

TERMINAL QUESTIONS

1. Enlist the HTML commands in creating HTML Web page

2. Enlist the CSS commands in creating HTML Web page

THANK YOU