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| Description: nmims-new-logo | **SVKM’s NMIMS**  **Mukesh Patel School of Technology Management & Engineering Shirpur Campus** | | | | |
| **Deparment of IT** | | | | |
| **Instructor Manual** | | **Lab Manual (Part-A)** | | | **Academic Year-** |
| **Year:-Second** | | **Subject:- Web Programming** | | | **Semester:- III** |
|  | | | **Experiment # 3** |  | |
|  | | |  | **Date of Conduction:- / /** | |
| **Class:- BTECH** | | | | **Division:-** | |

**Aim:**

1. Apply styling technique Using Inline CSS
2. Apply styling technique Using Internal CSS

**Prerequisites:-**

* Basic Tags of HTML.

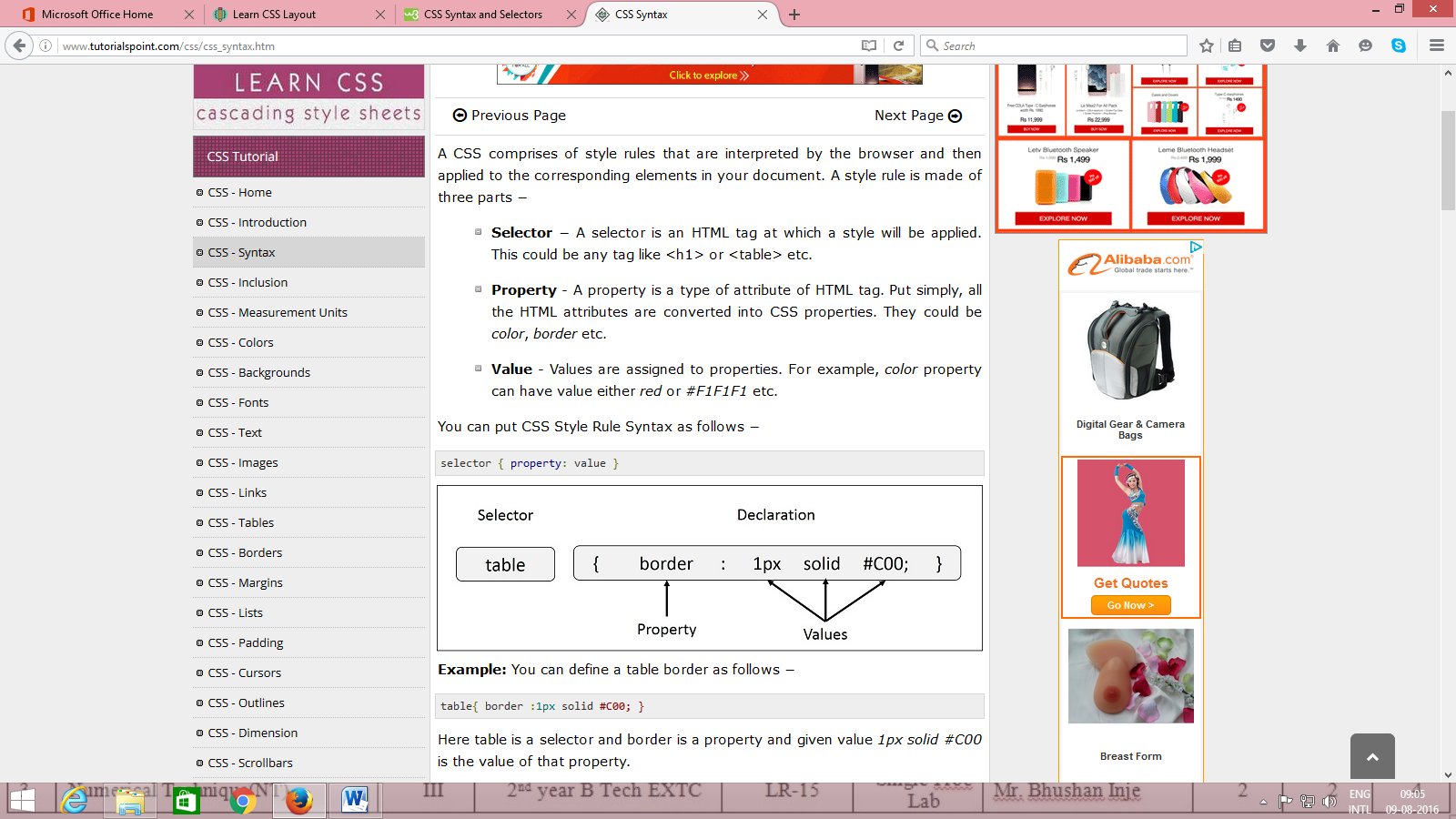
**Theory:-**

**Cascading Style Sheets (CSS)**

**Syntax**

selector { property: value }

* A CSS rule-set consists of a selector and a declaration block:
* Declaration part is further divided into property and values.



* **Selector** − A selector is an HTML tag at which a style will be applied. This could be any tag like <h1> or <table> etc.
* **Property** - A property is a type of attribute of HTML tag. Put simply, all the HTML attributes are converted into CSS properties. They could be *color*, *border* etc.
* **Value** - Values are assigned to properties. For example, *color* property can have value either *red* or any other color.

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 property name and a value, separated by a colon.

|  |  |
| --- | --- |
| **Properties** | **Values** |
| background-attachment | scroll, fixed |
| background-color | (color), transparent |
| background-image | none, (location) |
| background-position | (percent), (length), top, center, bottom, left, center, right |
| background-repeat | repeat, repeat-x, repeat-y, no-repeat |
| Background | Any of the above background values separated by spaces. |
| Color | (color) |

|  |  |
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| **Properties** | **Values** |
| margin-bottom | (length), (percent), auto |
| margin-left | (length), (percent), auto |
| margin-right | (length), (percent), auto |
| margin-top | (length), (percent), auto |
| margin | Any of the above margin values in top, right, bottom, left order separated by spaces. |
| padding-bottom | (length), (percent) |
| padding-left | (length), (percent) |
| padding-right | (length), (percent) |
| padding-top | (length), (percent) |
| padding | Any of the above padding values in top, right, bottom, left order separated by spaces. |
| border-bottom-width | medium, thin, thick, (length) |
| border-bottom | Any of the border-top-bottom, border-color and border-style values. |
| border-color | (color) |
| border-left-width | medium, thin, thick, (length) |
| border-left | Any of the border-top-left, border-color and border-style values. |
| border-right-width | medium, thin, thick, (length) |
| border-right | Any of the border-right-width, border-color and border-style values. |
| border-style | none, dotted, dashed, solid, double, groove, ridge, inset, outset |
| border-top-width | medium, thin, thick, (length) |
| border-top | Any of the border-top-width, border-color and border-style values. |
| border | Any of the border values. Applies to all borders. |
| height | auto, (length), (percent) |
| width | auto, (length), (percent) |
| list-style-type | disc, circle, square, decimal, lower-roman, upper-roman, lower-alpha, upper-alpha, upper-latin, hebrew, armenian, georgian, cjk-ideographic, hiragana, katakana, hiragana-iroha, katakana-iroh, none |
| list-style-image | none, (url) |
| list-style-position | outside, inside |
| **Properties** | **Values** |
| list-style | Any of the above list-style values separated by spaces. |
| white-space | normal, pre, nowrap |
| border-collapse | collapse, separate, inherit |
| border-spacing | (length)(length), inherit |
| caption-side | top, bottom, left, right, inherit |
| empty-cells | show, hide, inherit |
| speak-header | once, always, inherit |
| table-layout | auto, fixed, inherit |

**Three Ways to Insert CSS**

There are three ways of inserting a style sheet:

* Internal style sheet
* Inline style
* External style sheet

**Internal Style Sheet**

An internal style sheet should be used when a single document has a unique style. You define internal styles in the head section of an HTML page, inside the <style> tag, like this:

<head>  
<style>  
hr{color:sienna;}

p{margin-left:20px;}

body{background-image:url("images/background.gif");}   
</style>  
</head>

**Inline Styles**

An inline style loses many of the advantages of a style sheet (by mixing content with presentation). Use this method sparingly!

To use inline styles, add the style attribute to the relevant tag. The style attribute can contain any CSS property. The example shows how to change the color and the left margin of a paragraph:

<p style="color:sienna;margin-left:20px;">This is a paragraph.</p>

**Instructions to Students:-**

1. Write html code in Note Pad & save with .html extension.
2. Execute using Web Browser.
3. Copy and Paste code as well as output (snapshot of output) in Part B

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| **Deparment of IT** | | | | |
| **Instructor Manual** | | **Lab Manual (Part-B)** | | | **Academic Year- 2019-20** |
| **Year:-Second** | | **Subject:- WP** | | | **Semester:- III** |
|  | | | **Experiment # 3** |  | |
|  | | |  | **Date of Conduction:- / /2019** | |
| **Class:-** | | | | **Division:-** | |

1. Design a web page using CSS which includes the following:

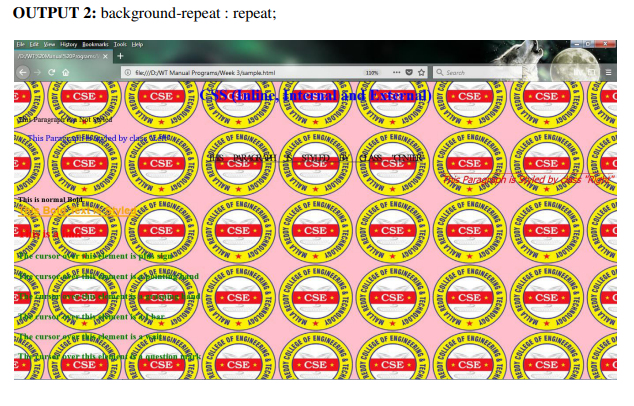
1) Use different font styles

2) Control the repetition of image with background-repeat and no-repeat property

3) Define style for links as a: link, a: active, a: hover, a: visited

**Note: You can referee the following page**





**Code:-**

[Note: - Execute program from 1-2 and paste executed html code]

**Input and Output:-**

[Note: - Paste Output of Code from 1-2 [use print scrn button]]

**Observation and Learning:-**

[Note: - Write your observation and learning**]**

**Conclusion:-**

[Note: - Write conclusion in your own word**]**

**Questions:-**

1. What is CSS?
2. What are advantages of CSS?
3. What are selector, property and value?
4. What are various ways to embedded CSS in HTML?