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3 PROGRAMING FUNDAMENTALS

Topics:

HTML

CASCASING STYLE SHEETS (CSS)

KNOWLEDGE IS POWER

Page No: 96-100

PROGRAMING FUNDAMENTALS

SLOs:

At the end of the lesson Students will be able to:

- Define bullets & numbers in webpage
- Explain Cascading styles Sheets **(CSS)**

HYPER TEXT MARKUP LANGUAGE

HTML Tags	Purpose
<html>	Root element
<head>	Contains metadata
<title>	Title of the page
<body>	Main content of the page
<h1>-<h6>	Headings (largest to smallest)
<p>	Paragraph
<a>	Link (anchor)
<img>	Image
, ,	Lists
 	Line break

HYPER TEXT MARKUP LANGUAGE

Bullets & Numbering:

HTML Tags	Purpose
	Ordered List
	Un-Ordered List

HYPER TEXT MARKUP LANGUAGE

Tables in HTML

HTML Tags	Purpose
<table>	Table Tag
<tr>, <th>, <td>	Table Row, Table Heading, Table Data

Student Information Table

Roll No	Name	Class
1	Ali	10th
2	Sara	10th
3	Ahmed	10th

HYPER TEXT MARKUP LANGUAGE

Links to Resources:

HTML Tags	Purpose
<a href>	Hyperlink Tag

 Kamboh KIDS Fashion

Visit a Website

Click the link below to visit My E-Commerce Store:

Kamboh KIDS Fashion

CASCADING STYLES SHEETS (CSS)

3.3 Cascading Style Sheets (CSS)

In the development of HTML webpage the scheme, arrangement and presentation of the whole webpage along with the components are handled by a stylesheet language. There are various stylesheet languages available like Cascading Style Sheets (CSS), Document Style Semantics and Specification Language (DSSSL), Extensible Stylesheet Language (XSL), etc. The most common and frequently used with HTML is CSS. So, this way the contents of the webpage are defined through HTML while the look of different components is handled via CSS. This way, it is easier to manage and troubleshoot your web designing code for extension and digging out the errors.

There are three ways, via which we can use CSS styles in our HTML webpage.

CASCADING STYLES SHEETS (CSS)

Inline CSS:

Any CSS attribute that we want to incorporate can be added using a HTML tag (like the ones, we have covered in the last section) and incorporated in the body section, as shown in fig-12.

```
1. <p style="color:red; font-size:40px;
2. font-style:italic; text-align:center;">
3. My Teaching Academy
4. </p>
```

Fig-12: Inline CSS sample

CASCADING STYLES SHEETS (CSS)

Embedded (Internal) CSS

Instead of assigning styles for every heading and other component at the time of its first occurrence in the code, a better approach is to outline all the styles in the header under the tag-pair of 'style' as shown in fig-13. This way, all the presentation related CSS code is separated and do not indulge with the already written HTML code. Additionally, change in one line in the CSS section will be reflected throughout the respective components.

CASCADING STYLES SHEETS (CSS)

```
1.  <head>
2.  <title>Main Page</title>
3.  <center>
4.  <img src="mat-logo.jpg" alt="mat-
5.          logo.jpg">
6.  </center>
7.     <style>
8.          body {
9.              color: olive;
10.                }
11.                h2 {
12.             color: red;
13.            font-size:30px;
14.                    font-style:italic;
15.            text-align:center;
16.         }
17.             </style>
18. </head>
```

Fig-13: Embedded CSS sample

CASCADING STYLES SHEETS (CSS)

External CSS

Alternatively, a file with extension '.css' can be made and all relevant CSS code according to your schema can be present there. Once, the contents of HTML are finalized, just attach the CSS file in the head portion of HTML by passing the link. External CSS are used with large projects, like in commercial purposes.

```
<link rel="mystylesheet" href="my_own_SS.css" />
```

NOTE: The priority of Inline is highest, followed by embedded styles and lastly the attributes of external are considered; if all three are present in a webpage.

HTML/CSS

ACTIVITY

Verbal Questions:

Q. What are the tags used to create Table in the webpage?

<table>

Q. Name the types of lists used in webpage?

Order List and Un-Ordered List

Q. What is CSS and explain why we use it in HTML?

CSS is language. It is used to design webpages

AFL STRATEGIES

Class Discussion,

Brainstorming,

Feedback and Reflection

ASSIGNMENT

Write down answers of following questions on your computer notebooks:

1. What is Document Object Model? Explain with help of an example.

HOME WORK

Reading Text Book Page Number 96-100

THANK
YOU