MODULE: 2 (CSS and CSS 3)

(1)What are the benefits of using CSS?

* Easier to maintain & update
* Greater consistency in design
* More formatting options
* Lightweight code
* Faster download times
* Search engine optimization benefits
* Ease of presenting different styles to different viewers
* Greater accessibility

(2)What are the disadvantages of CSS?

* Confusion due to many CSS levels.Beginners are more vulnerable to this issue.
* Cross-browser issue.Different browsers work differently
* Security issues.Sceurity is more important in today’s world driven by technology & data.
* Different layout display.

(3)what is the difference between CSS2 & CSS3?

|  |  |  |
| --- | --- | --- |
| Parameters | CSS2 | CSS3 |
| Released in | 1998 | 1999 |
| Specifications | Single document | Divided into individual modules |
| Styling option | More than CSS | Large,along with the support for animations |
| Fonts | Web-safe fonts | Special fonts analogus to google fonts and typecast |
| Selectors | Simple selectors | A sequence of simple selectors |
| Rounded borders | No | Yes |
| Split text feature | No | Yes |
| Frid system & template layout | No | yes |

(4)Name a few CSS style components

* Selecter: HTML element name, id name, class name
* Property: it’s like an HTML attribute such as background color,font-size, position,text-align,color,border etc
* Values: which defines property or values allocate properties.

(5) what do you understand by CSS Opacity?

* Opacity property specifies the opacity/transparency of an element.
* Opacity property can take value from 0.0 to 1.0
* The lower value, the more transparent.
* Opacity property is often used together with :hover selector to change the opacity on mouse-hover

(6)how can the background color of an element be changed?

* Backgroud color of an element using the background-color CSS property and giving it a value of color like ,

P{

Background-color: pink;

}

(7)how can image repetition of the backup be controlled?

* This task can be achived by using background-repeat property that will help to control the image repetation like,

background-repeat: no-repeat

(8)what is the use of background-position property?

* background-position CSS property sets the initial position for each background image.
* The position is relative to the position layer set bt background-origin.

(9)which property controls the image scroll in the background?

* background-attachment property
* background-attachment:scroll, fixed, local, initial, inherit

(10)why should background & color be used as separate properties?

* Background is apply on body class & color is apply on fonts.

(11)how to center block elements using CSS1?

* By setting the properties margin-left, margin-right to auto and width to some explicit value

(12)how to maintain the CSS specifications?

* The synatx & data types of the language.
* Detailed explanation on CSS Selectors.
* How can assign values to properties.
* The CSS(C in CSS)
* How inheritance works.
* Box model etc

(13)what are the ways to integrate CSS as webpage?

* There are 3 ways to integrate CSS as webpage

1)inline : HTML elements may have CSS applied to them via STYLE

attribute.

2)embeded: by placing the code in <style> element with in <head>

element

3)linked/import/external:place the CSS in an external file and link via

<link> element

(14)what is embeded stylesheet?

* Embeded style sheets refer to when you embed style sheet information into an HTML document using the <style> element.embeding style sheet information within <style></style> tags in the <head> of document.

<head>

<style>

P{

Font-size: 20px;

Color: #0000;

}

A:hover{

Background-color: pink;

Text-decoration: none;

}

</style>

</head>

(15)What are the external style sheet?

* An exernal style sheet is a separate CSS file that can be accessed by creating a link within the head section of webpage.
* Multiple webpages can use the same link to access the stylesheet.
* To link an external style sheet is placed within the head section of the page.

(16)what are the advantages and disadvantages of exteranl stylesheet?

* Advantages:
* Using them,the style of multiple documents can be controlled from one file.
* Classes can be created for use on multiple HTML element types in many documents.
* In complex situation, selector and grouping methods can be used to apply styles.
* Disadvantages:
* In order to import style information for each document an extra download is needed.
* Until the external style sheet is loaded it may not be possible to render the document.
* For small number of style definitions, it is not viable.

(17)what is the meaning of CSS selector?

* CSS selector are used to find HTML elements you want to style.
* We can divide selectors in 5 categories:

1)element selector : this selector select HTML elements based on

element name

p{

text-align: center;

color: red;

}

2)class selector : this selector selects HTML elements with a specific class

attribute.

* (.)dot indicate the class name

.center{

text-align: center;

color: red;

}

3)id selector : this selector uses the id attribute of an HTML element to

select a specific element.

* The id of an element is unique within page so the id selector is used to select one unique element
* (#) hash tag indicate the id

#para1{

text-align: center;

color: red;

4)universal selector : this selector apply on full page.it will affect every HTML

element on page

* (\*)star indicate the universal selector

\*{

text-align: center;

color: red;

}

5)group selector : grouping selector select all the HTML elements with the

same style definitions.

h1, h2, p{

text-align: center;

color: red;

}

(18)What are the media types allowed by CSS?

* All – used for all media types devices
* Print – used for printers
* Screen – used for computer screens, tablets, smart-phones etc
* Speech – used for screenreaders that “reads” the page out loud
* @media (max-width:576px){ } -mini mobile screen
* @media (min-width:576px){ } – large mobile screen
* @media (min-width:786px){ } – tablet screen
* @media (min-width:992px){ } – mini laptop screen
* @media (min-width:1200px){ } – large laptop screen
* @mdia (min-width:1400px){ } – tv screen

(19)What is the rule set?

* CSS rule set contains one or more selectors and one or more declarations.

h1{

color: blue;

text-align: center;

}

* The selector which in this example is h1, points to an HTML element
* The declaration which in this example are color: blue, text-align: center style the element with a property & value.

(20)Create Layouts.

* Prepared in vscode as a 20A\_createlayouts.html