

Information Technology Department - State Polytechnic of Malang

Jobsheet-2: CSS

Course: Web Design and Programming

Web Design and Programming Teaching Team

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Topic

CSS

Objectives

Students are expected to:

- 1. Students are able to create static websites using HTML and CSS
- 2. Students are able to apply the concept of CSS *Display*
- 3. Students are able to apply the concept of CSS Box Model
- 4. Students are able to apply the CSS Flex Box concept
- 5. Students are able to apply the concept of CSS *Grid*

Attention

This job sheet must be done step-by-step according to the practicum steps that have been given.

What is CSS?

CSS stands for "Cascading Style Sheets". As the name implies, CSS has the property of "style sheet language" which means the programming language used for web design. CSS is a programming language used to design a website page. In designing website pages, CSS uses markers, namely id and class. CSS can change fonts, font sizes, font colors and formats, set layout sizes, widths, heights and color elements, change the appearance of forms, create responsive website pages and much more.

To design a font can be done by defining the font, to set the color can use color, margins are used to set the distance outside a certain element. Set the font size using "font size". The font type uses the "font-family" and many others.

How to Use CSS

The css file is saved with **the .css** extension. then imported or linked into an HTML or PHP file that we want to design with CSS using the following syntax:

k rel="stylesheet" type="text/css" href="style.css"/>

The top tag is used to connect the HTML file with the CSS file. Syntax is placed on the html file. The rail and type attributes in the link tag are used to define that what is called or linked is a stylesheet or CSS file, then the href attribute is used to put the location of the CSS file. In the example above, style.css file is located in a folder or a directory with html files. if the CSS file is located outside the folder, it can be associated with:

href="../style.css"

If the css file is located in a folder, let's say the folder name is "assets", then to associate it with:

href=".. /assets/style.css"

Practical Section 1. Connecting HTML with CSS

Step	Description
1	Create a new file in the dasarWeb folder and name it index.html.
2	Type into the index.html file the code below.
3	<pre>1</pre>
4	Create one new file in the dasarWeb, naming it style.css. Type the code below inside the style.css file.
5	<pre>1 h2{ 2 color : □orange; 3 font-family : Trebuchet MS; 4 text-align: center; 5 }</pre>
6	Save the file, then open a browser and run localhost/dasarWeb
7	In the structure of a web page, index.html will always be the main page of a web. So if there is a index.html in a directory then it will always be called and displayed in the browser. That is why in step 6 it is only typed localhost/dasarWeb page without the file name.
8	In the code inside the <pre>index.html</pre> there is a link> tag in the head where the href attribute refers to the <pre>style.css</pre> file.
9	style.css contains code to set the display inside a page that refers to a style.css file, in this practicum it is index.html. So that the display inside the index.html will match the properties set in the style.css.

Section using <div> tags

The <div> tag defines a section in an HTML document. The <div> element is often used as a container for other HTML elements to add *styles* with CSS or to display specific tasks using JavaScript.

Practical Section 2: Use of div

Step	Description
1	Create a new file named div.html inside the dasarWeb folder. Type the code in step 2 inside the div.html

```
<html>
          1
          2
          3
              <body>
          4
          5
                  Ini adalah beberapa teks.
          6
                  <div style="background-color: □ lightblue">
          7
          8
                     <h3>Ini adalah sebuah heading di dalam elemen div</h3>
2
          9
                      Ini adalah teks di dalam div.
         10
                  </div>
         11
         12
                  This is some text.
         13
         14
              </body>
         15
         16
              </html>
3
        Save the file, then open your browser and run localhost/dasarWeb/div.html
        What do you understand from using div on the file? Record below your understanding.
        (Question No. 1)
        Ini adlah bebrapa teks.
        Ini adalah sebuah heading di dalam elemen div
4
        Ini adalah teks di dalam div.
        This is some text
        < div > is an HTML element that is used to create a common container within a web page.
```

Getting to know classes and ids in HTML

Class and id are used as markers in html, what is meant by markers here is that html elements can be marked with class or id. Elements in HTML are tagged so that they can be manipulated using CSS or JavaScript. The simple shadow is if you have five boxes, all the boxes you have are blue, then you want to change the color of the third box, now this is where the use of class and id comes in, to give a sign or name to your box so that it can be changed, and the other boxes will not change.

The difference between class and id is that the class is called on css or javascript using a "period".", and the id is called on CSS or javascript with the hashtag "#". The advantages of class is the class can be given to many HTML elements and can be called at once, while ID can only work on one tag, meaning one ID name can only be given to one element.

Practical Section 3: Getting to know classes and ids in HTML

Step	Description
1	Complete the code inside the index.html with the following code.

```
3 =
           4
                   <title>Main Page</title>
                    <link rel="stylesheet" type="text/css" href="style.css">
           5
           6
                   </head>
           8 =
                   <body>
                     <h2>Welcome To DasarWeb</h2>
           9
2
          10
                     <br><br>>
          11
                     <!-- contoh penggunaan class -->
                     <div class="kotak">kotak 1</div>
          12
                     <div class="kotak">kotak 2</div>
          13
          14
                      <div class="kotak">kotak 3</div>
          15
                      <!-- contoh penggunaan id -
          16
                     <div id="kotak">Kotak 4</div>
          17
                   </body>
          18
3
         Complete the code inside the style.css file so that it becomes the code in step 4
          2
                 color : □orange;
          3
                  font-family : Trebuchet MS;
          4
                  text-align: center;
          5
          6
          8
                 padding: 50px;
          9
                 width: 100px;
                 color: □#fff;
         10
4
         11
                 margin: 10px:
                 background: ■orange;
         12
         13
         14
         15
              #kotak{
         16
                 width: 400px;
         17
                  color: □#fff;
         18
                  background: ■blue;
         19
                  padding: 50px;
         20
5
         Save both files, then open a browser and run /refresh localhost/dasarWeb
         What do you understand from the use of class and id in index.html? Record below your
         understanding. (Question No. 2)
         Main Page
                                                   Welcome To DasarWeb
6
         The class attribute groups multiple elements under the same name for consistent styling, while
         the id attribute is used to uniquely identify a specific element on the page.
```

How to Write CSS

CSS uses selectors (id and class) to determine the elements that will be modified by CSS, if it is likened to HTML as a pillar on a house building, then CSS functions as paint and decoration on the house building. There are three CSS writing method techniques, namely:

■ Inline CSS Style

It is CSS created in an HTML tag that only applies to the document it is enclosed in. Usually this technique is used for special formatting of an HTML element and is not used to format the entire element in a web document.

Example:

```
<h1 style="color:blue; margin-left:30px;" >This is a heading.</h1>
```

■ Internal CSS Style

An internal style sheet for a web page applies only to that web page. The internal style sheet is defined in the HEAD section of an HTML page, in the <style> tag as follows:

```
<head>
  <style>
body {
    background-color: linen;
}
h1 {
    color: maroon;
    margin-left: 40px;
}
</style>
</head>
```

Figure 1. Internal CSS

External CSS Style

It is ideal for use on the web with many pages. By using the External Style Sheet, the appearance of the entire website content can be changed by changing just one file. *External Style Sheets* must not contain html tags, and are stored in a file with the *.css extension Example:

```
body {
    background-color: lightblue;
}
h1 {
    color: navy;
    margin-left: 20px;
}
```

Figure 2. External CSS

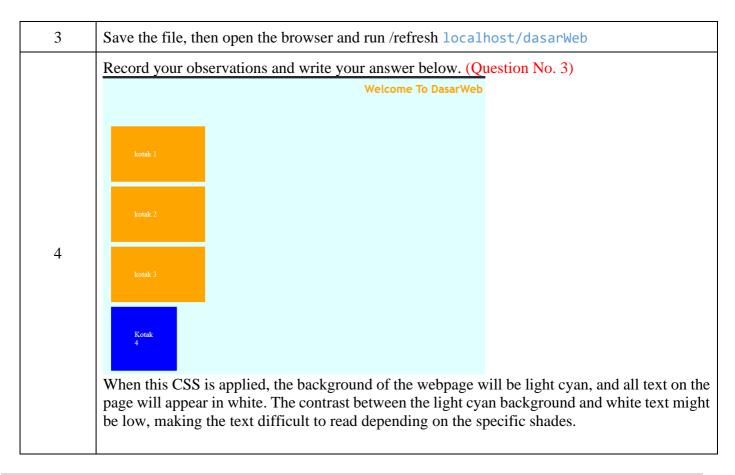
The way to call an *External Style Sheet* in a web page is by using the <link> tag with the rail attribute placed on the *section head*. Example:

```
<head>
k rel="stylesheet" type="text/css" href="mystyle.css">
</head>
```

Figure 3. Using an external CSS file into HTML

Practical Section 4: Changing the *Background* of a Web Page with CSS

Step	Description
1	Add the code snippet in step 2 below to the style.css file
2	<pre>body{ background: □lightcyan; color: □white; }</pre>



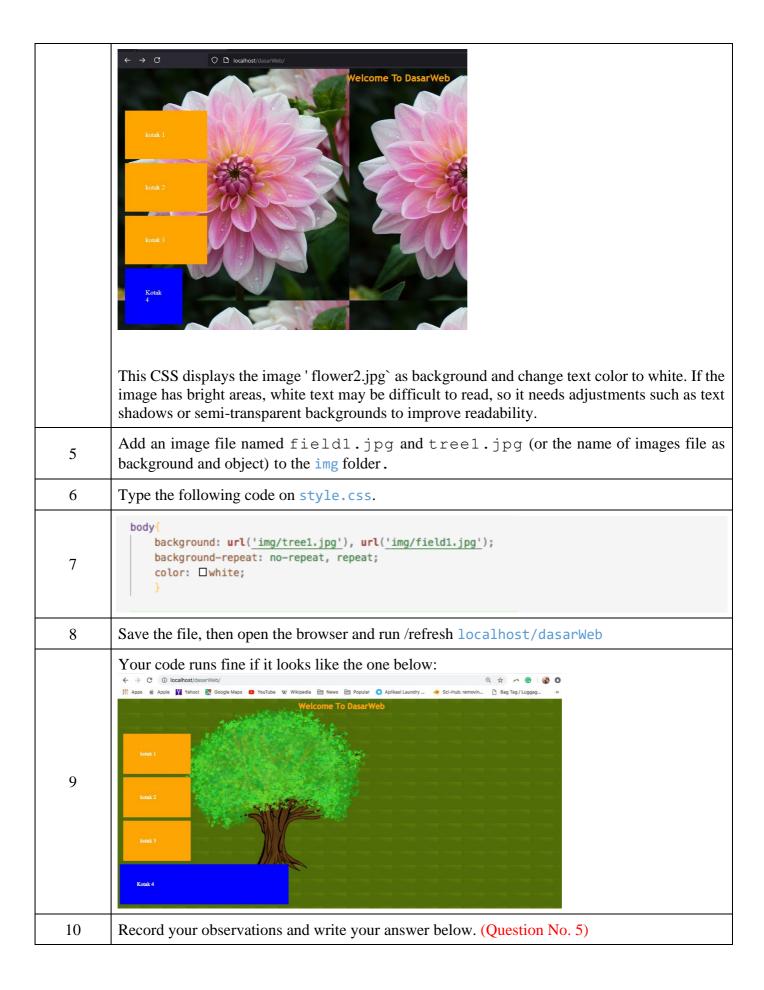
Practical Section 5: Using *images* **for** *backgrounds*

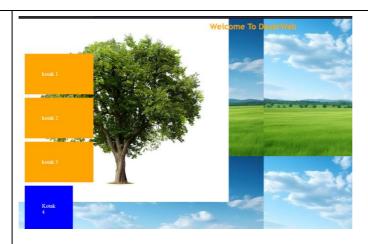
The background-image *property assigns* one or more *background images* to an element. By default, the background image is placed in the top left corner of the element, and it repeats vertically and horizontally. Tip: The background of an element is the total size of the element, including *padding* and *borders* (but not margins).

Tip: Always set the background color to use if the image is not available.

Practicum Steps:

Step	Description
1	In the style.css file change the value from background property to bunga2.jpg (or the name of image file as background) as in the code snippet in step 2.
2	<pre>body{ background: url('bunga2.jpg'); color: □white; }</pre>
3	Save the file, then open the browser and run /refresh localhost/dasarWeb
4	Record your observations and write your answer below. (Question No. 4)





This CSS displays two background images:

tree1.jpg is not repeated. field1.jpg is repeated in the rest of the area. The text on the page is white.

Practical Section 6: Margins and Padding on CSS

Getting to Know Margins in CSS

The margin is the outer side of an element. for example you want to set the distance between the elements. You can use *the margin syntax* to set it. There are several outer sides of margin which are,

- The top margin is written in the CSS with a 'margin-top',
- the bottom margin or the outer spacing of the bottom is written in CSS with 'margin-bottom',
- 'margin-left' as the outer spacing to the left of the element, and
- 'margin-right' is the outer side on the right side

But if you only use the 'margin' syntax it will automatically set the top, bottom, left and right spacing of the element.

Step	Description
1	Rename index.html to backgroundCSS.html
2	Create a new file inside the dasarWeb folder named index.html. This means that you have a new index.html file.
3	Type the following code on index.html
4	1 html 2 <html> 3 4 <head> 5</head></html>

```
5
       Create a new file named styleMargin.css in the dasarWeb folder.
        Type the following code toto the styleMargin.css
         2
                 color: □pink;
         3
         4
             .box{
         5
                 background: blue;
         6
                 height: 200px;
         7
                width: 300px;
6
         8
                 margin: 30px;
         9
        10
        11
             .box-dua{
                 background: ■black;
        12
        13
                 height: 100px;
        14
                 width: 200px;
        15
                 margin-left: 500px;
        16
       Save the file, then open the browser and run /refresh localhost/dasarWeb
7
       Note here what you observe from the code above. (Question No. 6)
        This CSS styleMargin.css creates two boxes:
8
        1. First Box: Blue, 300x200px, with 30px margins, pink text.
        2. Second Box: Black, 200x100px, shifted to the right 500px, the text is also pink.
        Change the margin value in the settings .box to margin: 300px;. Observe what the
9
       difference is.
       Note here what you observe from the code above. (Question No. 7)
10
       the position of the first box moved to the center of the browser
```

Getting to Know Padding in CSS

Padding is the inner side of an element. We can use syntax padding to set the spacing on the inner sides of an element that we specify. Just like the margin has sides, such as top, left, right, bottom. The type of padding is the top padding written in CSS with 'padding-top' which means setting the inner side of the top of an element, the bottom pad or the spacing in the bottom is written in CSS with 'padding-bottom', 'padding-left' as the inner spacing on the left side of the element, and 'padding-right' is the outer side on the right. If you only use the 'padding' syntax, it will automatically set the top, bottom, left and right spacing of the inner element.

Step	Description
1	Rename index.html to marginCSS.html
2	Create a new file in the dasarWeb folder named index.html. This means that you have a new index.html file.
3	Type the following code to index.html

```
<!DOCTYPE html>
          2
              <html>
          3
          5
                <title>Padding CSS</title>
                <link rel="stylesheet" type="text/css" href="stylePadding.css">
          6
          7
          8
          9
              <body>
4
         10
                 <h2>Belajar Padding dengan CSS</h2>
                 <div class="box">
         11
                 <h1>Ini adalah box</h1>
         12
         13
                 </div>
                <div class="box-dua">
         15
                 <h1>Ini adalah box dua</h1>
                 </div>
         16
         17
              </body>
         18
         19
             </html>
5
        Create a new file named stylePadding.css in the dasarWeb folder
6
        Type the following code to stylePadding.css
              h1{
          2
                 text-align: center;
          3
                 color: □cornsilk;}
          4
          5
              h2{
          6
                 text-align: center;
          8
          9
7
         10
                background: ■blue;
         11
                 height: 200px;
                 width: 300px:
         12
         13
                padding: 20px;}
         14
         15
              .box-dua{background: ■red;
         16
                    height: 100px;
         17
                    width: 600px;
         18
                    padding-left: 70px;}
8
        Save the file, then open the browser and run /refresh localhost/dasarWeb
        Record your observations and write your answer below. (Question No. 8)
                                O localhost/dasarWeb/
                                                                 Belajar Padding dengan CSS
                Ini adalah box
9
                                  Ini adalah box dua
        This CSS uses padding to set the space inside the element:
        .box:
```

	20px Padding on all sides adds space between the content and the inner edge of the blue boxbox-two: The 70px Padding on the left side adds space between the text and the left edge of the red box. Padding increases the space inside an element without affecting the overall size of the element.
10	Change the padding value in the .box setting to padding=200px;
11	Ini adalah box Ini adalah box dua increase the distance between posts with div or arguably increase the area of the container

Practical Section 7: Font Settings in CSS

Some of the css syntax used to set the font:

- font-size is used to set the font size
- font-weight is used to adjust the thickness of the font
- font-family to change the font type
- font-style is used to change the style of the font.
- *color* is used to change the color of the font

Step	Description
1	Rename index.html to paddingCSS.html
2	Create a new file in the dasarWeb folder named index.html. This means that you have a new index.html file.
3	Type the following code to index.html

```
<!DOCTYPE html>
        1
        2
            <html>
        3
        4
               <head>
        5
                <title>Font CSS</title>
        6
                  <link rel="stylesheet" type="text/css" href="styleFont.css">
        7
               </head>
4
       8
        9
                <h1 class="tulisan_satu">Belajar CSS Dasar asiiik</h1>
       10
       11
                  <h1 class="tulisan_dua">Belajar CSS Dasar cihuuuii</h1>
                  <h1 class="tulisan_tiga">Belajar CSS Dasar yuhuuuuu</h1>
       12
       13
               </body>
       14
       15
            </html>
5
       Create a new file named styleFont.css in the dasarWeb folder
6
       Type the following code to the styleFont.css
            .tulisan_satu{
        2
                  color: red:
        3
                  font-family: sans-serif;
        4
                  font-style: normal;
        5
        6
        7
            .tulisan_dua{
                color: ■green;
        8
        9
                  font-size: 24pt;
7
       10
                  font-style: italic;
       11
       12
       13
           .tulisan_tiga{
       14
                color: ■blue;
       15
                  font-weight: bold;
       16
                 font-style: oblique;
       17
8
       Save the file, then open the browser and run /refresh localhost/dasarWeb
       Record your observations and write your answer below (Question No. 10)
                                         O localhost/dasarWeb/
        Belajar CSS Dasar asiiik
        Belajar CSS Dasar cihuuuuu
9
        Belajar CSS Dasar yuhuuuu
       This CSS sets text with different colors, sizes, and font styles for three classes: red with sans-
       serif and normal fonts, green with 24pt and italic, and blue with bold and oblique fonts.
```

Practical Section 8: Setting Up Hyperlinks with CSS

Hyperlinks are links that are created to redirect pages when clicked. Hyperlinks or links are created using tags and ending with tags in HTML. There are 4 states that are owned by html hyperlinks and can be manipulated using css. Namely:

- *link*. is an ordinary active link.
- *visited*. is the status of a link that has been visited.
- hover. is the status of a link when the mouse cursor is placed on it.
- active. is the status of a link or hyperlink when it has been clicked.

The syntax is as follows:

- a:link =for regular links
- *a:visited* = is the status of a link that has been visited.
- a:hover = is the state of a link when the mouse cursor is placed on it.
- a:active = is the status of a link or hyperlink when it has been clicked.

Step	Description
1	Rename index.html to fontCSS.html
2	Create a new file in the dasarWeb folder named index.html. This means that you have a new index.html file.
3	Type the following code to index.html
4	<pre>1 <!DOCTYPE html> 2 <html> 3 4</html></pre>
5	Create a new file named styleLink.css in the dasarWeb folder
6	Type the following code to styleLink.css
7	<pre>1 .link{ 2</pre>
8	Save the file, then open the browser and run /refresh localhost/dasarWeb
9	Record your observations and write your answer below (Question No. 11) HyperLink CSS × Politeknik Negeri Malang × + C D localhost/dasarWeb/ Klik disini create a hyperlink with the text "click here" that opens the site http://www.polinema.ac.id in the new tab. Custom styles are applied using the link class of the styleLink file.css.

10	Add code to styleLink.css to change the color of the link to greenyellow after the link is visited.
11	<pre>Write the code you added here (question no 12) .link:visited{ color: greenyellow; }</pre>

Practical Section 9: Formatting Text with CSS

The text formatting settings in CSS are as follows:

- a. color: to set the color of the text, the value can be filled in as a color or color code
- b. text-align: to set the align position on the text or flat text, the values that can be filled in include center to make the text center-aligned, left to make the text left-aligned, right to make the text right-aligned and justify to make the text right-aligned and left-aligned.
- c. text-decoration: to set the decoration of the text, the value is none to make the text have no decoration, overline to make the text have a line at the top of the text, line-through to create a scrawly line on the text, and underline to make a line at the bottom of the text (underline).
- d. *text-transform*: to set capital letters in text, values that can be used include uppercase to make text uppercase, lowercase to make text lowercase, and capitalize to make the initial letter of each word uppercase.
- *e. text-indent:* to set the spacing of paragraphs in the text, the value that can be used is in the form of pixel values and others as needed.
- f. *letter-spacing*: to adjust the distance between characters in text, the value filled in the form of pixel values and others.
- g. Word-spacing: To set the spacing between words in the text, the value filled in is also a pixel value.
- h. *line-height*: to set the distance between lines in the text value that is filled in the form of a value.
- i. *text-shadow*: to set the shadow effect on the text, the first filled value fills in the value for the left and right distances, and the second fills the top and bottom spacing and the third fills the color. For the example of writing it is 2px 5px blue.
- j. *vertical-align*: to set the align in a vertical form in the text value used is left to make the text aligned left, right to top and center to center.

Step	Description
1	Rename index.html to linkCSS.html
2	Create a new file in the dasarWeb folder named index.html. This means that you have a new index.html file.
3	Type the following code to index.html

```
<html>
              3
              4
                             <title>format text CSS</title>
              5
                             <link rel="stylesheet" type="text/css" href="styleText.css">
              6
                         </head>
              8
              9
                             Mengatur format text dengan CSS
             10
                             11
                                 Lorem ipsum dolor sit amet, consectetur adipiscing elit,
             12
                                  sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
             13
                                  Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris
             14
                                  nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in
             15
                                  reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
4
             16
                                  Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia
             17
                                  deserunt mollit anim id est laborum.
             18
             19
                                  Lorem ipsum dolor sit amet, consectetur adipiscing elit,
             20
                                  sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
             21
                                  Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris
             22
                                  nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in
             23
                                  reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
             24
                                  Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia
             25
                                  deserunt mollit anim id est laborum.
             26
             27
                              28
                         </body>
             29
             30
                    </html>
             31
5
            Create a new file named styleText.css in the dasarWeb folder
6
            Type the code in step 7 below to the styleText.css .
                        .tulisan warna{
                             color: ■blue;
                 2
7
                 3
                 4
8
            Save the file, then open the browser and run /refresh localhost/dasarWeb
             Record your observations and write your answer below (Question No. 13)
              Loren ipsum dolor sit met. consectetur adipiscing eliti Sed do tenoor incididunt ut et dolore magna Ut enim ad minim veniam, quis nostrud exercitation ullanco lau)ris nisi ut aliquip ex ea condo consequat. Duis aute arure dolor in reprehenderit in voluptate vetit esse cilium dolore eu fugiat nulla pariatur. Excepteur Sint occaecat cupdatat non proident. Sunt in culpa qui deserunt animi de sta laborum. Loren ipsum dolor sit met. consecteur adipiscing eliti sed do tenoor incididunt ut et dolore magna Ut enimi ad minim veniam, quis nostrud exercitation ullanco lau)ris insi ut aliquip ex ea condo consequat. Duis aute arure dolor in reprehenderit in voluptate vetit esse cilium dolore eu fugiat nulla pariatur. Excepteur Sint occaecat cupidatat non proident. Sunt in culpa qui deserunt anim id est laborum.
9
            creating html paragraphs using css
            Add code to styleText.css to change the position of the text to center by adding text-
10
             align:center; and add decorations in the form of underlines.
             Write the code you added here (question no 14)
             .tulisan_warna{
                    color: blue;
11
                    text-align:center;
12
            Add code to styleText.css to add an underline to the text.
             Write the code you added here (question no. 15)
13
```

Practical Section 10: Getting to Know CSS Positions

Position in CSS is used to set the position of an HTML element. This CSS position property is used to determine the position of an HTML element as desired.

In general, to create a position or set the position of an element we must use other css properties such as setting top, left, bottom, right to set the position of an element, but these properties will not work if the position has not been set first, this is because other properties depend on the position that is set.

Some CSS properties that can be used to position an HTML element are:

- *Static*: Position static is used to set an element to static by default. Elements will follow the normal position by default, elements are not affected by properties such as top, bottom, left and right.
- *Relative*: An HTML element that uses relative position will be located at the normal position. Setting the top, right, bottom, and left properties of an element positioned "relatively" will make it far from its normal position. Other content will not be adjusted to fit the gaps left by those elements.
- *Fixed*: An HTML element set to a fixed position will have a fixed property without any changes even if the website page is scrolled. Left, bottom, top and right settings apply to fixed positions.
- *Absolute*: HTML elements that use the absolute position will be positioned relative to the other elements that precede it closest to it, not relative to the screen normally.
- *Sticky*: An element with a position: sticky; positioned based on the user's scroll position. Sticky elements alternate between relative and fixed, depending on the scroll position. It is positioned relative until a certain offset position meets in the viewport then "sticks" in place (such as position: fixed).

Step	Description
1	Rename index.html to textCSS.html
2	Create a new file in the dasarWeb folder named index.html. This means that you have a new index.html file.
3	Type the following code to index.html

```
1
                <html>
           2
           3
           4
                   <title>Position CSS</title>
                   <link rel="stylesheet" type="text/css" href="stylePosition.css">
           5
           6
                </head>
           8
           9
          10
                    <h2>position: static;</h2>
          11
          12
                    Position static digunakan untuk mengatur element menjadi statis secara default.
          13
                       Elemen akan mengikuti posisi normal secara default,
          14
                       elemen tidak dipengaruhi oleh properti seperti top, bottom, left dan right.:
          15
          16
                    <div class="static">
          17
                      Elemen ini diatur menggunakan posisi: static;
          18
          19
                    20
                    <h2>position: relative:</h2>
          21
                    Sebuah element HTML yang menggunakan position relative akan terletak pada posisi normal.
          22
          23
                       Mengatur properti atas, kanan, bawah, dan kiri dari elemen yang diposisikan dengan "relatif"
          24
                       akan membuatnya jauh dari posisi normalnya.
                       Konten lain tidak akan disesuaikan agar sesuai dengan celah yang ditinggalkan oleh elemen tersebut.:
          25
          26
          27
           28
                    <div class="relative">
           29
                       Elemen ini diatur menggunakan posisi : relative;
           30
                     </div>
                    <br><br><br><br>>
           31
           32
                    <h2>position: fixed;</h2>
           33
           34
                    Sebuah element HTML yang di setting dengan position fixed akan memiliki sifat tetap,
           35
                        tanpa ada perubahan bahkan jika halaman website di scroll.
           36
                        Berlaku pengaturan left, bottom, top dan right pada position fixed:
           37
           38
                    <div class="fixed">
           39
                       Elemen ini diatur menggunakan posisi: fixed;
           40
4
           41
                    <br><br><br><br>>
           42
                    43
                    44
                    <br><br><br><br>>
           45
                    46
           47
                    <h2>position: absolute;</h2>
           48
           49
                    Element HTML yang menggunakan position absolute akan diposisikan relatif dengan
           50
                        element lain yang mendahuluinya yang terdekat,
           51
                        bukan relatif terhadap layar secara normal.:
           52
           53
                    <div class="relative1">Elemen ini diatur menggunakan posisi: relative;
                       <div class="absolute">Elemen ini diatur menggunakan posisi: absolute;</div>
           54
                    </div>
           55
           56
           57
                    <br><br><br><br>>
           58
                    <br><br><br><br>>
           59
           60
                    <h2>position: sticky;</h2>
           61
                    Cobalah untuk <b>scroll</b> untuk mengetahui bagaimana posisi sticky bekerja.
           62
                    Catatan: IE/Edge 15 dan versi yang lebih lama tidak mendukung sticky.
           63
           64
                    <div class="sticky">Hola Aku adalah sticky!</div>
           65
           66
                    <div style="padding-bottom:2000px">
           67
                        Dalam contoh ini, elemen sticky menempel pada posisi paling atas halaman (top:0),
           68
                         ketika mencapai posisi scrollnya.
           69
                        Cobalah untuk melakukan scroll.
           70
                        Cobalah untuk melakukan scroll.. Lorem ipsum dolor sit amet, illum definitiones no quo, maluisset
           71
                           concludaturque et eum, altera fabulas ut quo. Atqui causae gloriatur ius te, id agam omnis evertitur eum.
           72
                            Affert laboramus repudiandae nec et. Inciderint efficiantur his ad. Eum no molestiae voluptatibus.
           73
                         Cobalah untuk melakukan scroll.. Lorem ipsum dolor sit amet. illum definitiones no quo. maluisset
           74
                            concludaturque et eum, altera fabulas ut quo. Atqui causae gloriatur ius te, id agam omnis evertitur eum.
           75
                            Affert laboramus repudiandae nec et. Inciderint efficiantur his ad. Eum no molestiae voluptatibus.
           76
                    </div>
           77
                </body>
           78
           79
                </html>
           80
```

```
Create a new file named stylePosition.css in the dasarWeb folder
5
6
            Type the following code to stylePosition.css
                      position: static;
                      border: 3px solid ■#73AD21;
                     position: relative;
             8
                      left: 30px:
                      border: 3px solid ■#73AD21;
            11
                  div.fixed
            12
            13
                      position: fixed;
            15
                      right: 0;
            16
                      width: 300px:
                      border: 3px solid ■#73AD21;
            17
            19
            20
                  div.relative1 {
                    position: relative;
            21
                      width: 400px;
            23
                      height: 200px;
7
            24
                      border: 3px solid ■#73AD21;
            25
            26
             27
                   div.absolute {
             28
                        position: absolute;
             29
                         top: 80px;
            30
                        right: 0;
             31
                        width: 200px;
             32
                        height: 100px;
            33
                        border: 3px solid ■#73AD21;
             34
             35
             36
                   div.sticky {
             37
                      position: -webkit-sticky; /* Safari */
             38
                         position: sticky;
             39
                         top: 0;
             40
                         background-color: □yellow;
             41
                         border: 2px solid ■#4CAF50;
             42
             43
8
            Save the file, then open the browser and run /refresh localhost/dasarWeb
            Record your observations and write your answer below (Question No. 17)
                                                                                                                             ତ 🔑 🥑 එ ≡
            Position: static;
             Position static digunakan untuk mengatur element menjadi statis secara default. Elemen akan nengikuti posisi normal secara default, elemen tidak dipengaruhi Oleh properti seperti top, bottom, left dan right
            Elemen ini diatur menggunakan posisi: static
            Position: relative;
            Sebuah elemen HTML yang menggunakan position relative akan terletak pada posisi normal. Mengatur properti atas, kanan, bawah, dan kiri dari elemen yang diposisikan dengan "relatif" akan membajauh dari posisi normalnya. Konten lain tidak akan disesuaikan agar sesuai dengan celah yang ditinggalkan oleh elemen tersebut.:
               Elemen ini diatur menggunakan posisi : relative;
9
            Position: fixed
             Sebuah element HTML yang disetting dengan position fixed akan memiliki sifat tetap, tanpa ada perubahan bahkan jika halaman website di seroll. Berlaku pengaturan lefft, bottom, top dan right pada position fixed:
                                                                                                               Elemen ini diatur menggunakan posisi : fixed ;
            After coding the above code, we come to know how various CSS position properties such as static,
            relative, fixed, absolute, and sticky work, as well as how they affect the placement of elements on
            a web page.
```

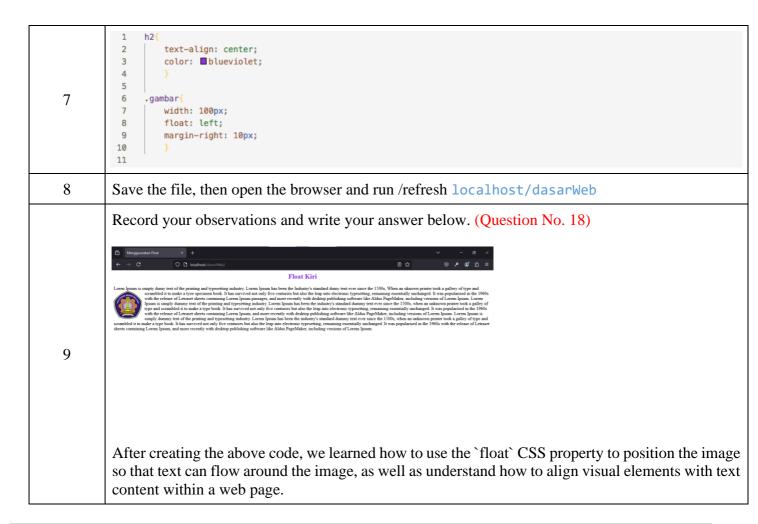
Practical Section 11: Using Floats

The Floating technique in the web design part is the most needed need. The float property is used to position and format content, for example. Make the image hover to the left of the text in the container. One of the most common examples of the use of floats is when we want to create a website postigan that is located on the side of the content text. A float property can have any of the following values:

- left Floating element to the left of its container
- right- Floating element to the right of its container
- none The element is not floating (will be displayed exactly where the text appears). It's standard
- *inherit* This element inherits the float value from its parent In its simplest use, the float property can be used to wrap text around an image.

Practicum Steps:

Step	Description		
1	Rename index.html to positionCSS.html		
2	Create a new file in the dasarWeb folder named index.html. This means that you have a new index.html file.		
3	Type the following code to index.html		
4	<pre>thtml> chead> ctitle-Menggunakan Float</pre> // clink rel="stylesheet" type="text/css" href="styleFloat.css"> clink rel="stylesheet" type="text/css" href="styleFloat.css"> chead> chody> chody> class="float Kiri // class="float">		
5	Create a new file named styleFloat.css in the dasarWeb folder		
6	Type the following code to styleFloat.css		



What is CSS Layouting?

CSS *layouting* is a technique for arranging the layout of a web page using CSS code. The purpose of CSS Layouting is to make the page look neat and attractive as expected by the creator. CSS *layouting* consists of several parts namely; dimensions, *overflow*, Box model, float and Position

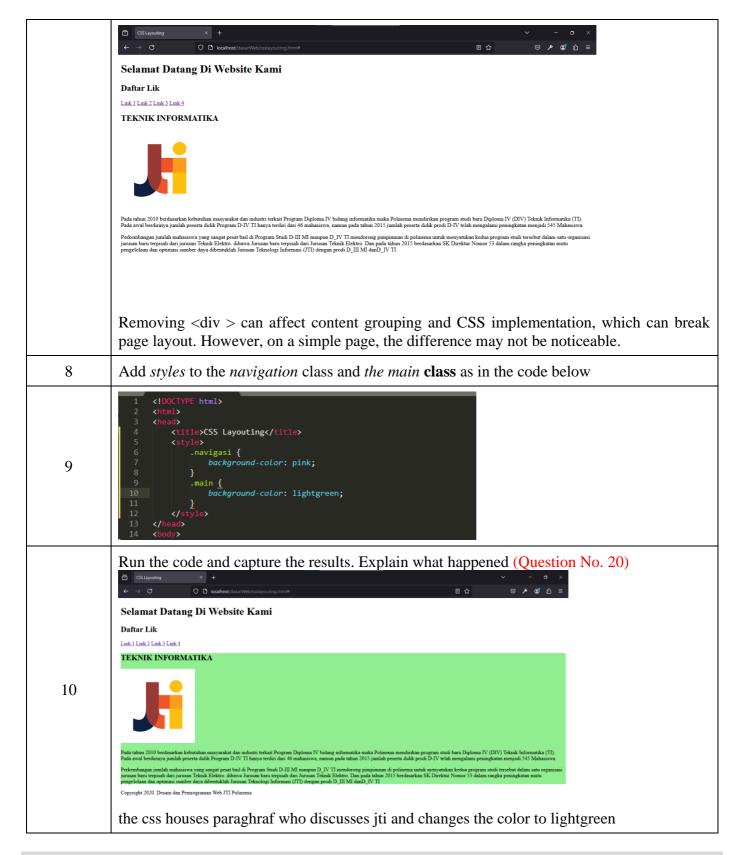
CSS Display

HTML tags are used to give a 'meaning' to a piece of content (e.g. p for paragraph, h1 for main *heading* and so on). The <div> and tags have no meaning, they are both used to group HTML tags and provide Description to them.

Practical Section 12. CSS Layouting

Step	Description
1	Create a new file in the dasarWeb folder and name it csslayouting.html
2	Type the following code to csslayouting.html

```
<title>CSS Layouting</title>
                               </head>
<body>
<h1>Selamat Datang Di Website Kami</h1>
                                      <a href="#">Link 1</a>
<a href="#">Link 2</a>
                                      <a href="#">Link 4</a>
                                      <h2>TEKNIK INFORMATIKA</h2>
                                      <img src="logo.jpg">
Pada tahun 2010 berdasar kebutuhan masyarakat dan industri terkait Program
3
                                      Perkembangan jumlah mahasiswa yang sangat pesat baik di Program Studi D-III MI maupun D-IV TI mendorong pimpinan di Polinema untuk menyatukan kedua program studi tersebut dalam satu organisasi jurusan baru terpisah dari jurusan Teknik Elektro. dibawa Jurusan baru terpisah dari Jurusan Teknik Elektro. Dan pada tahun 2015 berdasarkan SK Direktur Nomor 53 dalam rangka peningkatan mutu pengelolaan dan patingi yumban daya dibayatuklah Jurusan Teknik Elektro. Teknik Elektro.
                                      optimasi sumber daya dibentuklah Jurusan Teknologi Informasi (JTI) dengan prodi D-III MI dan D-IV TI.
                                      Copyright 2020. Desain dan Pemrograman Web JTI Polinema
                    Save the file, then open the browser and run /refresh
4
                    localhost/dasarWeb/csslayouting.html
5
                    Then create a <div> on the same html page as in the code below
                             <div class="navigasi">
                                         <div class="main">
  <h2>TEKNIK INFORMATIKA</h2>
6
                                         chtyTickNik Thronwort Noke, note
climg snc="logo.jpg">
cypPada tahun 2010 berdasar kebutuhan masyarakat dan industri terkait Program Diploma IV bidang informatika maka Polinema
mendirikan program studi baru Diploma IV (DIV) Teknik Informatika (TI). Pada awal berdirinya jumlah peserta didik Program D-IV TI
hanya terdiri dari 46 Mahasiswa, namun pada tahun 2015 jumlah peserta didik Prodi D-IV TI telah mengalami peningkatan menjadi 545
Mahasiswa.
                                         Perkembangan jumlah mahasiswa yang sangat pesat baik di Program Studi D-III MI maupun D-IV TI mendorong pimpinan di Polinema untuk menyatukan kedua program studi tersebut dalam satu organisasi jurusan baru terpisah dari jurusan Teknik Elektro. dibawa Jurusan baru terpisah dari Jurusan Teknik Elektro. Dan pada tahun 2015 berdasarkan SK Direktur Nomor 53 dalam rangka peningkatan mutu pengelolaan dan optimasi sumber daya dibentuklah Jurusan Teknologi Informasi (JTI) dengan prodi D-III MI dan D-IV TI.
                                         v class="copyright">
Copyright 2020. Desain dan Pemrograman Web JTI Polinema
                              </body>
</html>
                    Observe whether the results of the two programs are the same or different, explain the reason
7
                    (Question No. 19)
```



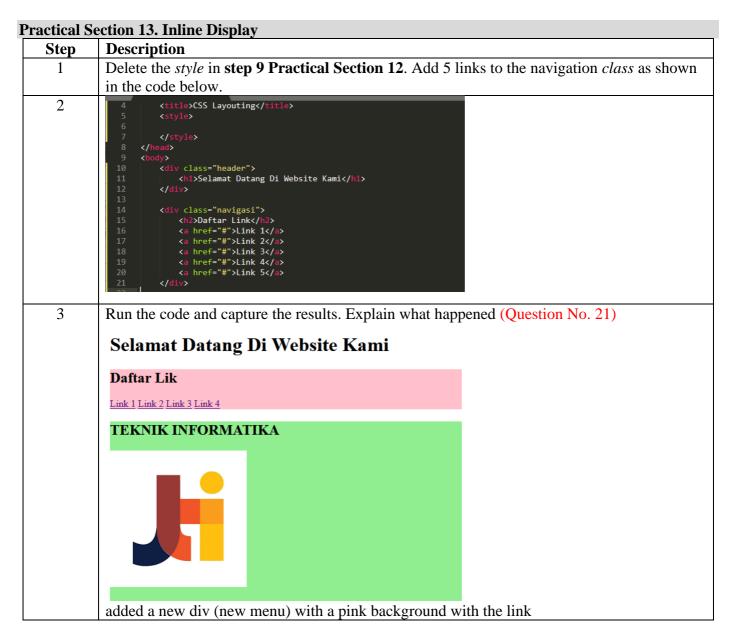
Value of display

Inline display

HTML elements that by default do not add new lines when created. The characteristics of inline dispay are

- 1. The width and height of the elements are in accordance with the content in them
- 2. Cannot adjust the height and width of inline elements
- 3. Margins and padding only affect elements horizontally, not vertically

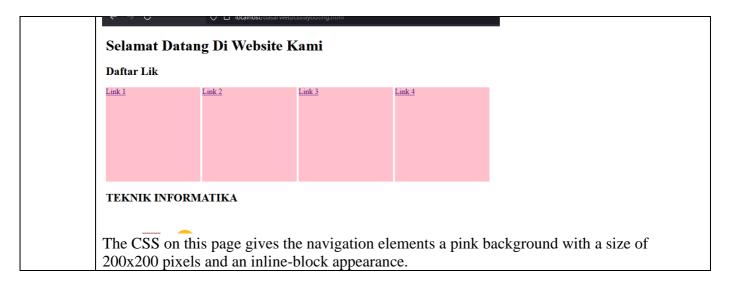
The *inline* elements are as follows; **b, strong, i, em, a, span, sub, sub, button, input, label, select, textarea**



Display inline-block

If in an *inline* element we can't set the height and width of an element, then we can set it using *inline-block*. Element has no property *by default*.

Practicum Section 14. Display inline-block		
Step	Description	
1	Add weight, height and display to the style in element a as shown in the code below	
2	<pre>1</pre>	
3	Run the code and capture the results. Explain what happened. (Question No. 22)	

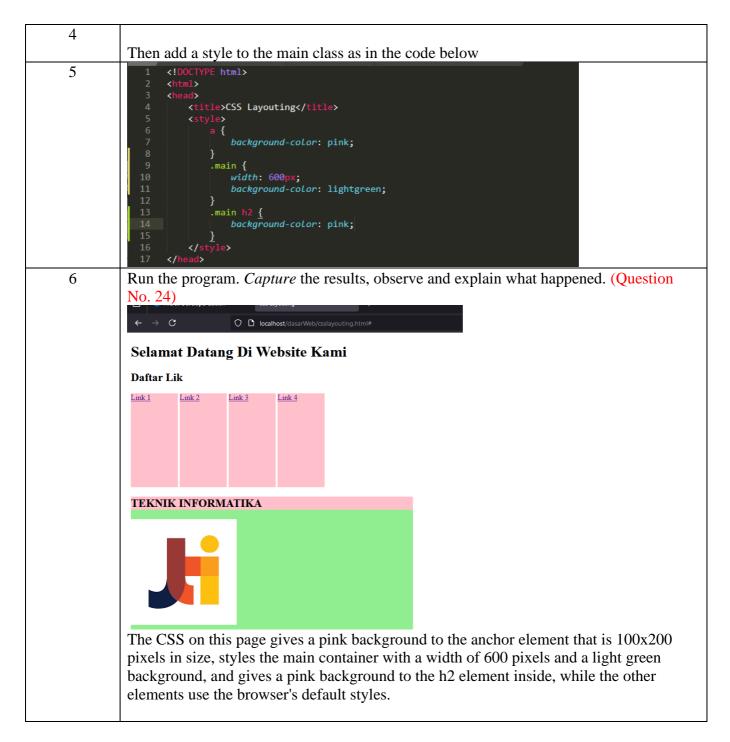


Display Block

Block is an HTML element that by default adds a new line When it is created If it is not set in width, then the default width of the block element will meet the width of its browser/parent so that we can set the height and width of the block element. Inside the block element, we can store tags with inline elements, inline-blocks, or even block elements again. Examples of block elements are; h1-6, p, ol, ul, li, form, hr, div

Practicum Section 15. Display *block*

Step	Description		
1	Style the h1, h2 and p elements with a light-green <i>background color</i> as shown in the code below		
2	<pre>1 <!DOCTYPE html> 2 <html> 3 <head> 4 <title>CSS Layouting</title> 5 <style> 6 7</td></tr><tr><td>3</td><td>Run the program and try to resize the web page. <i>Capture</i> the results, observe and explain what happened. (Question No. 23) Selamat Datang Di Website Kami</td></tr><tr><td></td><td></td></tr><tr><td></td><td>Daftar Lik Link 1 Link 2 Link 3 Link 4</td></tr><tr><td></td><td>TEKNIK INFORMATIKA</td></tr><tr><td></td><td></td></tr><tr><td></td><td>Pada tahun 2010 berdasarkan kebutuhan masyarakat dan industri terkait Program Diploma IV bidang informatika maka Polinen Pada awal berdirinya jumlah peserta didik Program D-IV TI hanya terdiri dari 46 mahasiswa, namun pada tahun 2015 jumlah pe</td></tr><tr><td></td><td>Perkembangan jumlah mahasiswa yang sangat pesat bail di Program Studi D-III MI maupun D_IV TI mendorong pimpimnan di jurusan baru terpisah dari jurusan Teknik Elektro. dibawa Jurusan baru terpisah dari Jurusan Teknik Elektro. Dan pada tahun 20 pengelolaan dan optimasi sumber daya dibentuklah Jurusan Teknologi Informasi (JTI) dengan prodi D_III MI danD_IV TI</td></tr><tr><td></td><td>Copyright 2020. Desain dan Pemrograman Web JTI Polinema</td></tr><tr><td></td><td>navigation element members in pink color as well as h1, h2, h3 and p in light green color</td></tr><tr><td></td><td></td></tr></tbody></table></style></head></html></pre>		



Display none

The last display value is *none*, *none* can be used to remove an element

Dimensions and Overflow on CSS

Dimensions have two *properties* in CSS, namely *width* for width and *height* for height. Units of dimensions are various including **px**, %, in, cm, mm pc pc.

Overflow is a CSS *property* that is used to set the behavior of an element that is not enough on a *parent*. There are four *values* of *property overflow*:

- 1. Visible: Value default
- 2. Auto: CSS will automatically add scrolls if there isn't enough content
- 3. *Hidden*: the content will be hidden or invisible
- 4. Scroll: like auto, will bring up a scroll, but if enough content scrolls will still exist

Box model on CSS

Every element on a *website* page is in a *box*. We can set the size and position of the box. We can give a color/image as the *background* of the box. The box model in CSS defines the 'box' generated by an element, and then displays it according to its visual format. The CSS box model consists of 4 components namely; margins, borders, padding and *content* as shown in the image below.



Figure 4. Box Model Components

- 1. *Margin*: the transparent area around the box (outside the *border*)
- 2. Border: the border around the content and padding
- 3. Padding: a transparent area inside the box (between the content and the border)
- 4. *Content*: the actual content in the *box*, it can be text or images

Table 1. How to set up a model box property

Margin	Padding	Border
Margin-top	Padding -top	Border -top
Margin-right	Padding -right	Border -right
Margin-bottom	Padding -bottom	Border -bottom
Margin-left	Padding -left	Border -left
Margin	Padding	Border

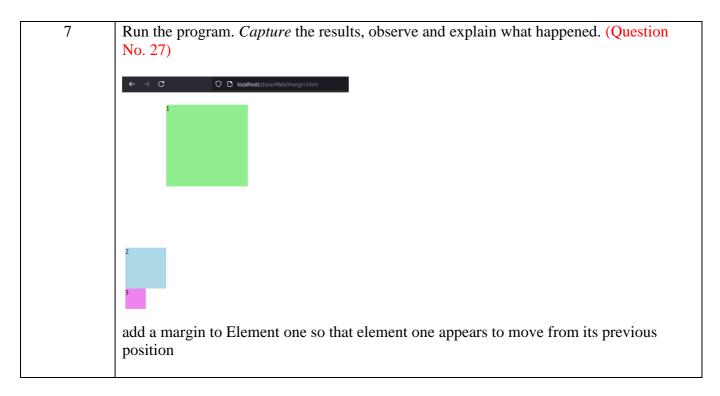
■ Box Model: Margin

- *Ovelapping* margin occurs when we combine two margins. Left and right or up with bottom. In theory, if it happens, the greatest value will be taken.
- *A negative* margin will make the box go in the opposite direction. It can be used if we want to hide elements.
- Auto margin is the value that we can assign to the special margin for the left margin and the right margin. This auto will make the element in the middle of the browser's web page
- *Shorthand* margin is a way of abbreviating margin writing.

Practicum Section 16. Box Model: Margin

Step	Description	
1	Create 2 files as shown in the image below. The and the second file marginstyle.css	The first file with the name margin.html
2	1 html 2 <html> 3 <head> 4 <title>Latihan Margin</title> 5 link rel="stylesheet" type="text /css" href="style.css"> 6 </head> 7 <body> 8 <div class="satu">1</div> 9 <div class="dua">2</div> 10 <div class="tiga">3</div> 11 12 </body> 13 </html>	<pre>1 .satu { 2 width: 200px; 3 height: 200px; 4 background-color: lightgreen; 5 } 6 7 .dua { 8 width: 100px; 9 height: 100px; 10 background-color: lightblue; 11 } 12 13 .tiga { width: 50px; height: 50px; height: 50px; background-color: violet; 17 }</pre>





 Box Model: Padding, Border & Box Sizing Padding

How to use *padding* is the same as the margin, namely, it cannot be used *negative*, it cannot be given *an auto* value and affects the size of the *box* of an element.

Border

How to write it;

Border: width style color;

Style on border; solid, dotted, dashed, double

Box sizing

Box sizing is a property that accepts the padding and border values on an element including the total value of the width and height of an element.

box-sizing: content-box (default)| border-box | Unser | initial | inherit;

Flex Box

It is a 1-dimensional layout model that can adjust the distance and alignment between items in a *container*. What is meant by one-dimensional is that it can only set one dimension at a given moment, between rows or columns, it cannot be both at the same time.

Flex Box or Flexbox Layout Module is a module that offers an effective way to arrange, align and distribute the spacing between items in a container, even though the size is dynamic or we don't even know.

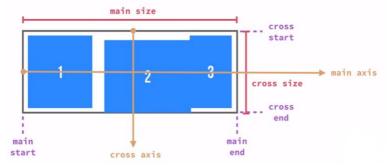


Figure 5. Terms on flex Box

(source; https://css-tricks.com/snippets/css/a-guide-to-flexbox/)

- *Main axis*; The main axis of a *container* that determines the order of the horizontal placement of items
- *Main start/main end*; Start and end of items stored in containers

• *Main size*; size (*width/height*) of the *container* which will make the dimensions of the items relative to the size

Properties on containers

A container is a wrapper of an element



Figure 6. Container

Display

```
.container {
    display: flex; /* or inline-flex */
}
```

Display Makes a parent element a flex box, and makes the element within it flex as well.

Flex- directtion

Flex-direction Sets the direction/order of the items in the container

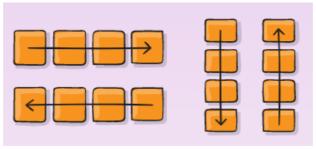


Figure 7. Flex-direction

```
.container {
  flex-direction: row | row-reverse | column | column-reverse
}
```

Flex-wrap

By *default*, all *items* in the *container* will be in one row even if the size is no longer enough, wrap allows you to move items to the bottom row

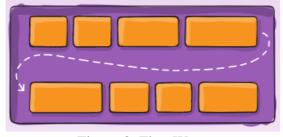


Figure 8. Flex-Wrap

```
.container {
  flex-wrap: nowrap | wrap | wrap-reverse;
}
```

For other properties, you can visit the website https://css-tricks.com/snippets/css/a-guide-to-flexbox/

Practicum Section 17. Flex Box Step **Description** 1 Type the code below then save the file with the name flexbox.html 2 tle>Latihan FlexBox</title> .nk rel="stylesheet" href="style1.css"> iv class="container-satu"> v(class="kolom-utama"> v(div class="kolom-utama"> v(aiv class="kolom-utama") v(aiv ⟨p⟩cum sociis natoque penatibus et magnis dis parturient montes nascetur ridiculus mus mauris vitae ultricies And for the style1.css file as follows 4 l, body { margin: 0; Font-family: Arial, Helvetica, sans-serif; background-color: #ddd; line-height: 1.65; paddina-bottom: 1000px: 5 Run the program, observe the results and explain it (Question No. 28) Judul Artikel This CSS sets zero margins and padding for html and body elements, sets the font, background, and line height on the body, and adds bottom padding to ensure enough space on the page.

```
Add a style to the container-satu class on the style1.css file as in the code below
                         html, body {
    margin: 0;
                              Line-height: 1.65;
padding-bottom: 1000px;
                         /*Latihan 1*/
.container-satu {
                            width: 800px;
margin: 50px auto;
                              background-color: #fff;
                              padding: 20px;
box-sizing: border-box;
8
                Run the program. Capture the results, observe and explain what happened.
                (Question No. 29)
                Judul Artikel
                Lorem ipsum dolor, sit amet consectetur adipisicing elit. Alias minima distinctio deserunt. Alias nobis consectetur veniam eveniet explicabo inventore? Erro
                accusamus nulla voluptatum tempora commodi, aspernatur ipsam fugit. Lorem ipsum, dolor sit amet consectetur adipisicing elit. Blanditiis odit, architecto p
                accusamus tenetur voluptatem maiores animi, esse temporal Sapiente perspiciatis rerum nesciunt. Cupiditate, ullam iste. Lorem ipsum dolor sit amet consi
                mollitia asperiores, nobis inventore corrupti praesentium, ipsa laboriosam, quod dolores iste fugiat minima hic sit rem commodi laborum id.
                 Lorem ipsum dolor sit amet consectetur adipisicing elit. Ipsam quo dolorem nobis voluptas atque animi iste rem beatae accusantium nesciunt. Hic natus te
                odio sequi, ducimus quas?
                       Sidebar satu
                         • link 1
                         • link 2

    link 3

    link 4

                grouping sidebar 1 into a single box or arguably giving a box on sidebar1
9
                Add a display property on a container-satu selector with a flex value. Capture and
                explain the result (Question No. 30)
                Judul Artikel
                Lorem ipsum dolor, sit amet consectetur adipisicing elit. Alias minima distinctio deserunt. Alias nobis consectetur veniam eveniet explica
                accusamus nulla voluptatum tempora commodi, aspernatur ipsam fugit, Lorem ipsum, dolor sit amet consectetur adipisicing elit. Blanditi
                accusamus tenetur voluptatem maiores animi, esse temporal Sapiente perspiciatis rerum nesciunt. Cupiditate, ullam iste. Lorem ipsum e
                mollitia asperiores, nobis inventore corrupti praesentium, ipsa laboriosam, quod dolores iste fugiat minima hic sit rem commodi laborum
                Lorem ipsum dolor sit amet consectetur adipisicing elit. Ipsam quo dolorem nobis voluptas atque animi iste rem beatae accusantium ne
                odio sequi, ducimus quas?
                        Sidebar satu • link 1
                                       • <u>link 2</u>
                                        • <u>link 3</u>
                                        • <u>link 4</u>
                                        • link 5
                is a way to organize how elements inside a box are laid out and aligned easily.
                So with display flex i can align easily
```

CSS Grid

The CSS grid layout module offers a grid-based layout system with rows and columns that makes it easier to design web pages without using floats and positions. It is a new CSS module to define a grid-shaped layout system in 2 dimensions (rows and columns)

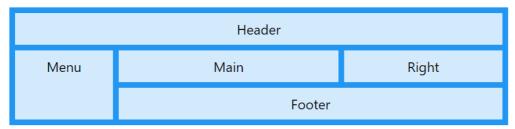


Figure 9 Grid Layout Module

Grid element

A grid layout consists of a single parent element with one or more child elements

CSS Grid Terminology

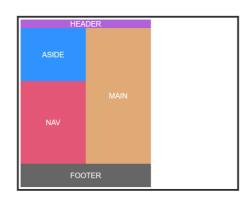
- Grid container: The element that wraps the grid, defined by writing: display: grid;
- Grid items; Element element located (1 level) in the container grid
- *Grid line*; Horizontal (column) or vertical (row) lines that separate a grid into sections and are marked with numbers
- Grid cell; Intersections/confluences between rows and columns in a grid
- Grid area; A collection of more than one grid of cells that form a box
- Grid track; Size/distance between 2 grid lines, can be horizontal (column) or vertical (row)
- Folding grid; Distance between grid tracks/cells

For more details about the grid, you can learn on the following website https://www.w3schools.com/css/css_grid.asp

Practicum Section 18. CSS Grid Step **Description** 1 Type the code below then named with grid.html 2 grid.html tle>Grid</title> margin: 0; padding: 0; font-size: 20px; font-family: arial; color: white; text-transform: uppercase; text-align: center; .container { width: 600px; margin: 50px auto; border: 5px solid #333; box-sizing: border-box; padding: 50x; display: grid; grid-template-areas: "header header" "aside main' "nav main" "footer footer"; grid-template-columns: 1fr 1.5fr; rid-template-rows: 1fr 1fr 1.3f

```
grid-area: header;
                background-color: #B063D8;
               display: flex;
               justify-content: center;
align-items: center;
               grid-area: aside;
               padding: 60px 0;
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56
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60
               grid-area: nav;
                background-color: #E45765;
             main {
  grid-area: main;
               background-color: #E0AA77;
               flex: 1.5;
display: flex;
               justify-content: center;
align-items: center;
            footer {
  grid-area: footer;
               background-color: #666;
               padding: 20px 0;
67
68
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70
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75
            <header>Header</heade
<aside>Aside</aside>
                 av>Nav</nav>
ain>Main</main>
            <footer>Footer</footer>
78
79
```

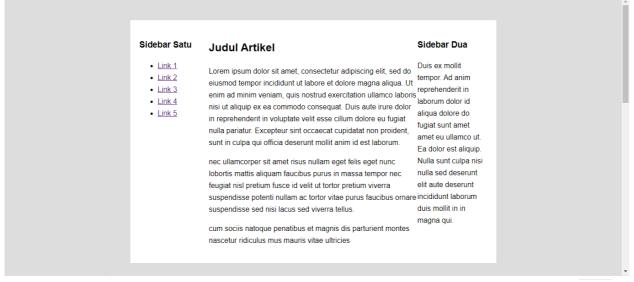
Run the program, observe the results and explain it. (Question No. 31)



The provided CSS and HTML create a grid layout where the `.container` element defines a structure with a `header` spanning the top, an `aside` positioned on the left, a `main` content area in the center and right, a `nav` below the `aside` and `main`, and a `footer` at the bottom. The grid is set with three columns of varying widths and uses `grid-template-areas` to organize these elements. Each section is styled with specific background colors and padding, and the `main` section employs `flexbox` to center its content. Note that `grid-template-columns` is defined twice, with the second definition overriding the first.

JOBSHEET 2 TASKS (Question No. 32)

1. Make the previous *flex-box* result look like this



2. Add images and apply color play to the background to make it more interesting. **Keywords**; Use *the Flex* and *Order* properties on each *of its item selectors*. Then *capture* the code and the result

This the code:

```
<!DOCTYPE html>
<html>
    <head>
        <title>FlexBoxTugas</title>
        <style>
            body,
            html{
                margin: 0;
                padding: 0;
                font-size: 20px;
                font-family: arial;
                color:black;
                text-transform: uppercase;
                text-align: left;
            .container {
                width: 100%;
                height: 500px;
                margin: 50px auto;
                box-sizing: border-box;
                padding: 5px;
                display: grid;
                grid-template-areas:
                    "sidebar1 header sidebar2"
                    "sidebar1 main sidebar2";
                    grid-template-columns: 1fr 2fr 1fr;
                    gap: 10px;
                /* grid-template-columns: 1fr 1.5fr;
                grid-template-columns: 1fr 1fr 1.3fr; */
```

```
header {
               grid-area: header;
               /* background-color: #B063D8; */
               padding: 20px;
            .sidebar1 {
               grid-area: sidebar1;
               /* background-color: #2F93FF; */
               padding: 20px;
            .sidebar2 {
               grid-area: sidebar2;
               /* background-color: #E45675; */
               padding: 20px;
           main {
               grid-area: main;
               /* background-color: #E0AA77; */
               padding: 20px;
       </style>
    </head>
    <body>
       <div class="container">
           <div class="sidebar1">
               <h2>Sidebar Satu</h2>
                   <a href="#">Link 1</a>
                   <a href="#">Link 2</a>
                   <a href="#">Link 3</a>
               </div>
           <header>Judul Artikel</header>
           <div class="sidebar2">
               <h2>Sidebar Dua</h2>
               Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis ex mollit
tempor.
           </div>
               Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis ex mollit
tempor. Ad anim eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad
minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu
fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui
officia deserunt mollit anim id est laborum.
           </main>
```

```
</div>
</body>
</html>
```

This the result:



SIDEBAR SATU

JUDUL ARTIKEL

- LINK 1
- LINK 2
- LINK 3

LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISCING ELIT. DUIS EX MOLLIT TEMPOR. AD ANIM EIUSMOD TEMPOR INCIDIDUNT UT LABORE ET DOLORE MAGNA ALIQUA. UT ENIM AD MINIM VENIAM, QUIS NOSTRUD EXERCITATION ULLAMCO LABORIS NISI UT ALIQUIP EX EA COMMODO CONSEQUAT. DUIS AUTE IRURE DOLOR IN REPREHENDERIT IN VOLUPTATE VELIT ESSE CILLUM DOLORE EU FUGIAT NULLA PARIATUR. EXCEPTEUR SINT OCCAECAT CUPIDATAT NON PROIDENT, SUNT IN CULPA QUI OFFICIA DESERUNT MOLLIT ANIM ID EST LABORUM.

SIDEBAR DUA

LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISCING ELIT. DUIS EX MOLLIT TEMPOR.

Reference:

- 1) Jason Beaird, The principles of Beautiful Web Design
- 2) Rian Ariona, Learn HTML and CSS (Fundamental Tutorial on learning HTML and CSS)
- 3) Adi Hadisaputra, HTML and CSS Fundamentals from the Roots to the Leaves of John Duckett, HTML and CSS design and build websites
- 4) https://developer.mozilla.org/en-US/docs/Web/HTML/Block-level_elements
- 5) https://css-tricks.com/almanac/properties/d/display
- 6) http://www.w3.org/TR/CSS2/box.html)
- 7) http://www.w3schools.com/css/css_boxmodel.asp)