

Ex. No. 03	Design a Web Page using HTML and CSS
12.01.2024	

Aim:

Create a web page for any institution or organization as per your choice using HTML and CSS features.

Description:

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. CSS provide a set of styling properties and values that properties can be applied in HTML using predefined CSS rules.

Design a webpage using HTML involves creating a visually appealing and user-friendly interface for a website. It is ensuring that the web page is responsible and compatible with different devices and browsers is essential for a seamless user experience. Whereas, CSS helps to style the webpage using its properties.

1. The display Property

The display property is used to specify how an element is shown on a web page. Every HTML element has a default display value, depending on what type of element it is. The default display value for most elements is block or inline.

2. Center Align Elements

To horizontally center a block element (like <div>), use margin: auto;

Example: center { margin: auto;

width: 50%; border:

3pxsolidgreen;

padding: 10px;

}

3. CSS background-image

The background-image property specifies an image to use as the background of an element. By default, the image is repeated so it covers the entire element.

Example

Set the background image for a page:

```
body { background-image:
```

```
url("paper.gif");}
```

4. CSS Opacity / Transparency

The opacity property specifies the opacity/transparency of an element. The opacity property can take a value from 0.0 - 1.0. The lower the value, the more transparent. Example

```
img { opacity:
```

```
0.5;
```

```
} opacity:
```

```
1.0;
```

```
}
```

5. The float Property

The float property is used for positioning and formatting content e.g. let an image float left to the

text in a container.

The float property can have one of the following values:

- left - The element floats to the left of its container
- right - The element floats to the right of its container
- none - The element does not float (will be displayed just where it occurs in the text). This is default
- inherit - The element inherits the float value of its parent

In its simplest use, the float property can be used to wrap text around images. Example

```
img {  
float: right;  
}
```

6. CSS Border Style

The border-style property specifies what kind of border to display.

The following values are allowed:

- dotted - Defines a dotted border
- dashed - Defines a dashed border
- solid - Defines a solid border
- double - Defines a double border
- groove - Defines a 3D grooved border. The effect depends on the border-color value
- ridge - Defines a 3D ridged border. The effect depends on the border-color value
- inset - Defines a 3D inset border. The effect depends on the border-color value
- outset - Defines a 3D outset border. The effect depends on the border-color value
- none - Defines no border
- hidden - Defines a hidden border

The border-style property can have from one to four values (for the top border, right border, bottom border, and left border).

Example

Demonstration of the different border styles:

```
p.dotted {border-style: dotted;}
```

7. CSS Colors

Colors are specified using predefined color names, or RGB, HEX, HSL, RGBA, HSLA values.

Example:

```
<h1 style="background-color:rgb(255,99,71);">...</h1>
```

```
<h1 style="background-color:#ff6347;">...</h1>
```

Source Code:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Your Profile</title>
```

```
  <style>
```

```
    body {
```

```
      margin: 0;
```

```
      padding: 0;
```

```
      box-sizing: border-box;
```

```
    }
```

```
  .mk{
```

```
background-color: rgb(21, 125, 211);  
height: 140px;  
  
}  
.mk img{  
width: 150px;  
height: 148px;  
position: absolute;  
left: 0px;  
}  
  
#mb{  
text-align: center;  
padding-left: 15px;  
font-size: 32px;  
position: relative;  
top: 50px;  
text-shadow: 3px 1px rgb(248, 246, 241);  
}  
  
.t1{  
border: 5px dashed rgb(5, 5, 5);  
height: 120px;  
width: 750px;  
background-color: rgb(65, 185, 185);  
text-align: justify;
```

```
padding: 20px;
position: relative;
left: 5% ;
}

section {
background-color: #f2f2f2;
padding: 20px;
margin: 0px;
box-sizing: border-box;
}

.banner {
background-image: url('web tech\web3\images (1).jpg');
height: 210px;
background-size: cover;
position: relative ;
}

.thumbnails {
display: flex;
justify-content: space-between;
margin-top: 10px;
background-color: rgb(255, 255, 255);
}
```

```
.thumbnail {  
    flex: 1.5;  
    margin-right: 2%;  
    position: relative;  
    overflow: hidden;  
  
}
```

```
.thumbnail img {  
    width: 100%;  
    height: 100%;  
  
}
```

```
.caption {  
    position: absolute;  
    text-align: center;  
    bottom: 0;  
    left: 0;  
    width: 100%;  
    background-color: rgba(0, 0, 0, 0.7);  
    color: #fff;  
    padding: 10px;  
    box-sizing: border-box;  
    border: 2px solid rgb(202, 8, 8);  
  
}
```

```
.about-section {  
    background-color: #5d6068;  
    margin-top: 10px;  
    padding: 20px;  
    border: 2px solid rgb(139, 74, 0);  
    box-sizing: border-box;  
    text-align: justify;  
}
```

```
.about-section h2 {  
    text-align: center;  
}
```

```
.image-text-section {  
    background-color: #f6ecec;  
    margin-top: 10px;  
    padding: 20px;  
    border: 2px solid #1d6d83;  
    box-sizing: border-box;  
    overflow: hidden;  
    border-radius: 8px;  
}
```

```
.image-text-section img {  
    width: 400px;
```



```
    height: 10px;
    float: right;
    margin: 0 0 20px 20px;
    border: 2px solid #e2ed5f;
    border-radius: 8px;
}

.image-text-section p {
    text-align: justify;
    color: #212324;
}

.contact-footer {
    background-color: #333;
    color: #fff;
    text-align: center;
    padding: 10px;
    font-style: italic;
}

</style>
</head>
<body>

<header>

<div class="mk">

    
```

```
<div id="mb">BMW M5 CS</div>

</div>

</header>

<section class="banner">

    <div class="t1">Compared to the popular M5 Competition, the M5 CS registers with ten
    additional horsepower,lerates up to 60 miles per hour in a breathtaking 2.9 seconds.The BMW
    M5 Competition mo the 4.4-litre V8 engine with BMW M TwinPower Turbo technology,
    which delivers an impressive 635hp. This is 10hp more than the M5 Competition. That
    translates to 6,000rpm and a peak torque of 750Nm.he Supercar you didn't know you needed!
    2022 BMW M5 Competition! . ✨ 🌍 ✨ With a heart-pounding 627 horsepower, this 2022
    F90 M5 Competition has a M TwinPower Turbo V8 engine that's an engineering marvel,
    perfectly balanced for the ultimate adrenaline rush on the road

    .</div>

</section>

<section class="thumbnails">

    <div class="thumbnail">

        

        <div class="caption">M POWER</div>

    </div>

    <div class="thumbnail">

        

        <div class="caption">MORE STABLE</div>

    </div>
```

```
<div class="thumbnail">

  

  <div class="caption">1000BHP</div>

</div>
```

```
<div class="thumbnail">

  

  <div class="caption">720Nm</div>

</div>

</section>
```

```
<section class="about-section">
```

```
<h2 >About Car </h2>
```

<P> The M70 has two Motronic 1.7[7] ECUs (one for each cylinder bank). To provide redundancy, the M70 also has two fuel pumps, fuel rails, distributors, mass air flow sensors, crankshaft position sensors, coolant temperature sensors and throttle bodies.[8] Some M70 engines (such as fitted to the E32 750iL Highline) are fitted with two alternators. The second alternator is smaller and is used to charge an auxiliary battery and power equipment in the rear passenger compartment, such as a telephone, fax machine, wine cooler, independent climate control and power sun shields.[9] Compared to the popular M5 Competition, the M5 CS registers with ten additional horsepower, which takes up to 627 horsepower. The V8 turbo, the 4.4-liter engine, delivers a top speed close to 190 miles per hour and accelerates up to 60 miles per hour in a breathtaking 2.9 seconds. There's so much more to it than that. There's more urgency to the 4.4-litre V8. It revs quicker, there's a sharper edge to its throttle response when you wind up through the driving modes and you can be more precise when dialing in the required levels of forward momentum. This means that the turbo 4.4-liter V8 gas engine gives you 627 horsepower and registers with a top racing speed of 190 miles per hour. When you jet off the starting line in the M5 CS, you can reach 60 miles per hour in 2.9 seconds. The cabin of the 2022 BMW M5 CS is designed for racing. The M5 is mighty, boasting 600 horsepower from its twin-turbo 4.4-liter V-8 in base form. In the more track-focused Competition or CS variant, that figure increases to 617 or 627 horses, respectively The BMW M5 Competition model is currently the fastest production car in the BMW lineup, going from 0 to 60 mph in 3.1

seconds. From coupes all the way up to SUV Sport Activity Vehicles®, BMW even offers a wide range of some of the fastest cars under \$100k. Ultimately, the choice between BMW and Mercedes-Benz comes down to personal preferences and lifestyle. If you're looking for a sporty and aggressive driving experience, BMW is the brand for you. If you're looking for a comfortable and luxurious ride, Mercedes-Benz is the better option. With a maximum system output of 738 hp, the BMW XM Label Red is simply the most powerful BMW M road vehicle ever made. The BMW XM Label Red will make its world debut at the Auto Shanghai international motor show in April 2023. Production will begin in August 2023 at BMW Group Plant Spartanburg in South Carolina.

</section>

<section class="image-text-section">

<div>

<h2 >M Power</h2>

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</section>

<footer class="contact-footer ">

<u style="color: rgb(86, 241, 55);">Contact Details:</u>farhanm@karunya.edu.in

</footer>

</body>

</html>

Output:

