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Assignment 3
12th August 2023

Module 2 : Front End Development

Submission Requirements: Please upload your codes in PDF File on Google Classroom in the relevant Assignment section.

Note: Plagiarism is a serious violation. Zero marks will be awarded in case plagiarism is found. You are required to perform the following tasks.

Part 1:

- Apply a green text color to all <h2> elements.

Solution:

```
<h2>This is H2</h2>
```

```
12  h2{  
13  |   color: green;  
14  }  
15
```

This is H2

- Create a class called "highlight" and apply it to a paragraph (<p>) element to emphasize the text using a background color.

Solution:

```
<div class="highlight space">
  <p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Culpa dignissimos animi eveniet quis, esse aperiam autem? Ad earum corrupti laudantium labore numquam ullam sapiente possimus vel, vitae error, explicabo iusto!</p>
</div>
```

```
.highlight{
  background-color: #f5deb3;
}
```

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Culpa dignissimos animi eveniet quis, esse aperiam autem? Ad earum corrupti laudantium labore numquam ullam sapiente possimus vel, vitae error, explicabo iusto!

- Change the background color of the <body> to a color of your choice.

Solution:

```
body{
  background-color: #76923c;
}
```

- Adjust the font size and color of the text within the .box element.

Solution:

```
<div class="box space">
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Error explicabo officia adipisci accusamus sunt repudiandae, at repellendus iste voluptate repellat molestiae sit incidunt natus, eveniet accusantium in reiciendis sequi quo.</p>
</div>
```

```
.box{
  font-size: larger;
  color: ■brown;
}
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Error explicabo officia adipisci accusamus sunt repudiandae, at repellendus iste voluptate repellat molestiae sit incididunt natus, eveniet accusantium in reiciendis sequi quo.

- Apply a different font family to the text within the .color element.

Solution:

```
<div class="color space">
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam neque temporibus esse voluptates corrupti corporis ut? Enim inventore
  veniam animi, explicabo exercitationem ea vero nesciunt, quo maxime, officiis eveniet hic!</p>
</div>
```

```
.color{
  font-family:monospace;
}
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam neque temporibus esse voluptates corrupti corporis ut? Enim inventore veniam animi, explicabo exercitationem ea vero nesciunt, quo maxime, officiis eveniet hic!

- Experiment with different values for the border-radius property within the .border class and observe the changes.

Solution:

```
<div class="border space">
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Neque pariatur maxime ipsum fugiat, quis exercitationem ullam itaque
  aperiam, tenetur, sed atque est animi? Alias et optio, facere quisquam porro delectus!</p>
</div>
```

```
.border{  
  border: 2px solid #palevioletred;  
  border-radius: 15px;  
  padding: 10px;  
}
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Neque pariatur maxime ipsum fugiat, quis exercitationem ullam itaque aperiam, tenetur, sed atque est animi? Alias et optio, facere quisquam porro delectus!

- Create a navigation menu using an ordered list (and elements) and style the list items with a background color and padding.

Solution:

```
<nav class="menu space">  
  <ol>  
    <li>HTML</li>  
    <li>CSS</li>  
    <li>JS</li>  
  </ol>  
</nav>
```

```
.menu{
  background-color: #bisque;
}

.menu ol li{
  background-color: #rgb(46, 154, 158);
  padding: 3px;
  margin: 5px;
  display: inline-block;
}
```

HTML CSS JS

- Apply a custom class to a link (<a>) element and change the text decoration property.

Solution:

```
<div>
|   <a class="custom space" href="https://www.google.co.uk/">Link</a>
</div>
```

```
.custom{
  text-decoration: overline;
}
```

Link

- Add a right border to all <h3> elements using the .border class.

Solution:

```
<div>
  <h3 class="borderClass space">Hafeez</h3>
  <h3 class="borderClass">Yousouf</h3>
</div>
```

```
.borderClass{
  border: solid ■ rgb(34, 0, 97);
  border-width: 0 3px 0 0;
  display: inline-block;
}
```

Hafeez|Yousouf|

- Create a <div> element with the class "rounded-corner" and apply rounded corners to it using the border-radius property.

Solution:

```
<div class="rounded-corner space">
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Quaerat quisquam, blanditiis maiores necessitatibus quo error esse quam delectus sed id exercitationem deserunt, dolorem doloremque repellendus ab! Quod facilis architecto doloremque.</p>
</div>
```


```
.rounded-corner{
  border: 3px solid ■ red;
  border-radius: 50px;
  padding: 10px;
}
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Quaerat quisquam, blanditiis maiores necessitatibus quo error esse quam delectus sed id exercitationem deserunt, dolorem doloremque repellendus ab! Quod facilis architecto doloremque.

- Apply the `.margin` class to a block-level element and observe the margin space around it.

Solution:

```
<div class="margin space">
  Lorem ipsum dolor sit amet consectetur adipisicing elit. Eius harum quae facere alias quasi fugit debitis, suscipit qui explicabo ad veniam quod fuga officiis ut deserunt laborum? A, amet nulla.
</div>
```

```
.margin{
  background-color:  rgb(37, 117, 77);
  margin: 55px;
}
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Eius harum quae facere alias quasi fugit debitis, suscipit qui explicabo ad veniam quod fuga officiis ut deserunt laborum? A, amet nulla.

- Apply the `.padding` class to a block-level element and observe the padding space within it.

Solution:

```
<div class="padding space">
  Lorem ipsum dolor sit amet consectetur adipisicing elit. Eius harum quae facere alias quasi fugit debitis, suscipit qui explicabo ad veniam quod fuga officiis ut deserunt laborum? A, amet nulla.
</div>
```

```
.padding{
  padding: 15px;
  background-color: rgb(37, 117, 77) ;
}
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Eius harum quae facere alias quasi fugit debitis, suscipit qui explicabo ad veniam quod fuga officiis ut deserunt laborum? A, amet nulla.

- Create a section with a <div> element and an <h4> element. Use the .textCenter class to center-align the text.

Solution:

```
<section class="textCenter space">
  <div>
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Voluptatum, molestias? Velit, amet nesciunt. Delectus quia placeat sequi consequuntur sapiente necessitatibus tempora. Cum, beatae ex. Ipsa delectus facilis illum doloribus dignissimos?
  </div>
  <h4>
    Lorem ipsum, dolor sit amet consectetur adipisicing elit. Quisquam consequuntur voluptas aliquid quos iste neque, laboriosam recusandae maxime nostrum vitae adipisci ratione sunt ducimus, placeat quo at fugiat magnam vel.
  </h4>
</section>
```

```
.textCenter{
  text-align: center;
}
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Voluptatum, molestias? Velit, amet nesciunt. Delectus quia placeat sequi consequuntur sapiente necessitatibus tempora. Cum, beatae ex. Ipsa delectus facilis illum doloribus dignissimos?
 Lorem ipsum, dolor sit amet consectetur adipisicing elit. Quisquam consequuntur voluptas aliquid quos iste neque, laboriosam recusandae maxime nostrum vitae adipisci ratione sunt ducimus, placeat quo at fugiat magnam vel.

- Apply the .backgroundBlack class to a paragraph element and observe the background color change.

Solution:


```

<div>
  <p class="backgroundBlack space">
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Cupiditate minus laudantium provident voluptas sint quis facere error
    repellat, sequi optio, aut, porro animi a beatae ipsum deserunt quo molestiae temporibus.
  </p>
</div>

```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Cupiditate minus laudantium provident voluptas sint quis facere error repellat, sequi optio, aut, porro animi a beatae ipsum deserunt quo molestiae temporibus.

- Create a simple footer section at the bottom of the page using a `<footer>` element. Apply styles to make it stand out.

Solution:

```

<footer>
  &copy; Copyright Assignment. All Rights Reserved.
</footer>

```

```

footer{
  background-color: grey;
  padding: 5px;
  width:100%;
  text-align: center;
}

```

© Copyright Assignment. All Rights Reserved.

- Create a class called "inline-box" and apply it to a `<div>` element. Use the `display` property to make the element display as inline-block.

Solution:

```
<div class="inline-box space">
|   Div Block 1
</div>
<div class="inline-box">
|   Div Block 2
</div>
```

```
.inline-box{
|   display: inline-block;
|   background-color: cadetblue;
}
```

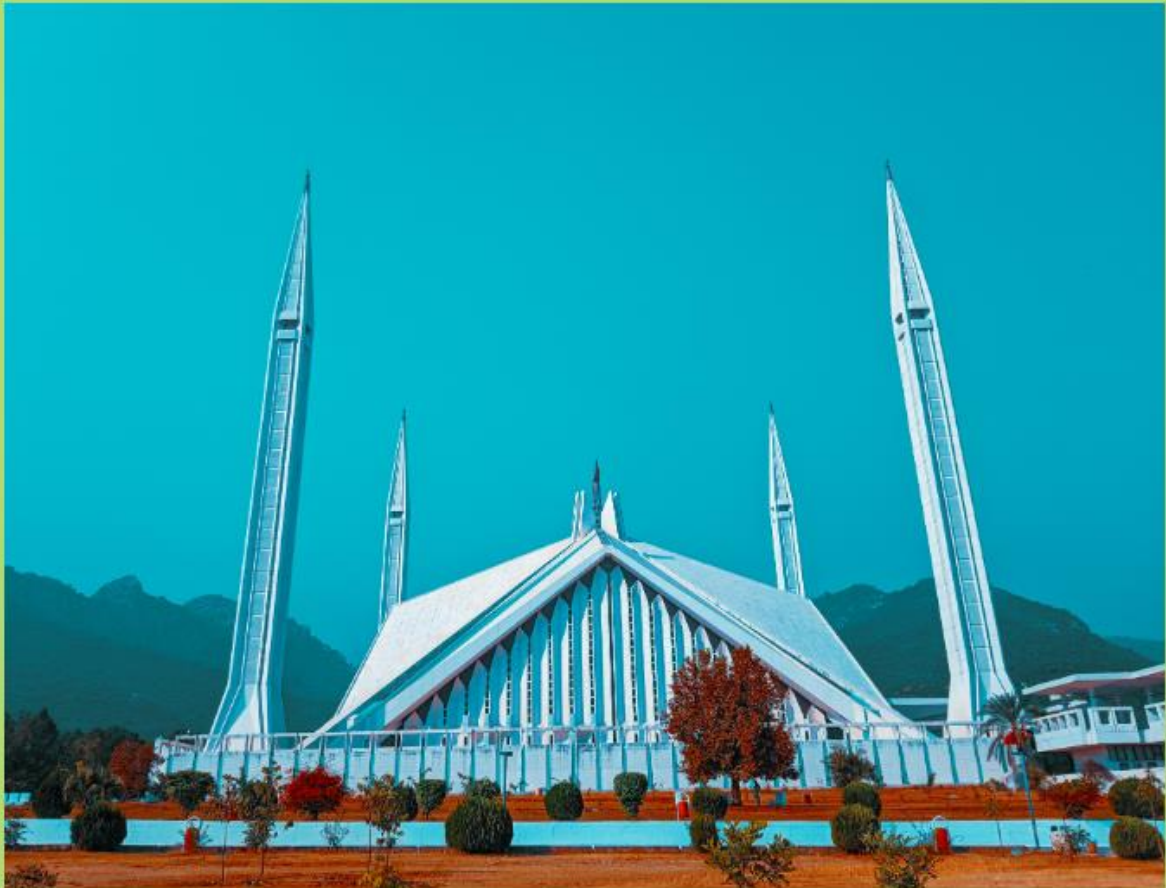
Div Block 1 Div Block 2

- Experiment with different values for the background-repeat property within the .backgroundImage class.

Solution:

```
<div class="background space">
|   
</div>
```

```
.background{  
  background-repeat: no-repeat;  
}
```



- Create a button using an `<a>` element and apply styles for its normal and hover states.

Solution:

```
.button a button{
    background-color: #a9f5d0;
    padding: 5px 10px;
    border-radius: 15px;
}

.button a button:hover{
    background-color: #2e8b57;
    padding: 8px 13px;
    border-radius: 20px;
    font-size: large;
}
```



- Apply the .rtl class to a paragraph element to change the text direction to right-to-left.

Solution:

```
<div class="rtl space">
  <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Distinctio beatae recusandae praesentium a earum. Unde vitae impedit
  aperiam mollitia, consequatur qui dignissimos pariatur rem modi, totam voluptates soluta. Error, nihil!</p>
</div>
```

```
.rtl{
  direction: rtl ;
}
```

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Distinctio beatae recusandae praesentium a earum. Unde vitae impedit aperiam mollitia, consequatur qui dignissimos pariatur rem modi, totam voluptates soluta. Error, nihil

- Apply a gradient background to the .widget elements using the background property.

Solution:

```
<div class="widget space">

</div>
```

```
.widget {
  width: 300px;
  height: 200px;
  background: linear-gradient(to right, #5ee211, #dd5a03);
  border-radius: 10px;
  padding: 20px;
  margin-bottom: 20px;
}
```

