

Code Challenge 1

Perform the following operations on the given HTML Code.

1. Display the text of the <div> tag as "italic".
2. Display the text of the tag as "bold".
3. Set the font size of the page to "16px", the font size of the <h1> tag to "30pt", and the font size of the <p> tag to "1.5em".
4. Set the font family of the page to "Helvetica", and the font family of the <p> tag to "Lucida Console".
5. Add "italic", "16px" and "Helvetica" to the <h2> tag.
6. Add comments having a brief description of the styles added.

HTML Code to apply the styles on : (Editable)

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title of the document</title>
  </head>
  <body>
    <h1>This is h1 Element</h1>
    <h2>This is h2 Element</h2>
    <div> This is div element </div>
    <span>Make this span bold </span>
    <p>This is the paragraph you need to style</p>
  </body>
</html>
```

HTML Code to apply the styles on : (Image)

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title of the document</title>
  </head>
  <body>
    <h1>This is h1 Element</h1>
    <h2>This is h2 Element</h2>
    <div> This is div element </div>
    <span>Make this span bold </span>
    <p>This is the paragraph you need to style</p>
  </body>
</html>
```

Expected output should look like :

This is h1 Element

This is h2 Element

This is div element

Make this span bold

This is the paragraph you need to style

Solution to Code Challenge 1:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title of the document</title>
    <style>
      /* Body content set to the following styles*/
      body{
        font-size: 16px;
        font-family: Helvetica, sans-serif;
      }

      h1{
        font-size: 30pt;
      }
      h2{
        font-style: italic;
        font-size: 16px;
        font-family: Helvetica, sans-serif;
      }
      div{
        font-style: italic;
```

```

    }
    span{
        font-weight: bold;
    }
    p{
        font-size: 1.5em;
        font-family: 'Lucida Console';
    }
</style>
</head>
<body>
    <h1>This is h1 Element</h1>
    <h2>This is h2 Element</h2>
    <div> This is div element </div>
    <span>Make this span bold </span>
    <p>This is the paragraph you need to style</p>
</body>
</html>

```

Code Challenge 2

Perform the following operations on the given HTML Code.

1. Set the background color of the page using a named color. For example, you could use red or any color of your choice.
2. Set the background color of the <p> tag to the shade of green using the RGB value.
3. Set the background color of <h1> tag to a shade of yellow using a Hex color.
4. Set the background color of the <h2> tag to a shade of violet using RGBA value and keep it 50% transparent. (The shade might differ due to the transparency effect)

HTML Code to apply the styles on : (Editable)

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title of the document</title>
  </head>
  <body>
    <h1>This is h1 Element</h1>
    <h2>This is h2 Element</h2>
    <p>This is the paragraph you need to style</p>
  </body>
</html>
```

HTML Code to apply the styles on : (Image)

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title of the document</title>
  </head>
  <body>
    <h1>This is h1 Element</h1>
    <h2>This is h2 Element</h2>
    <p>This is the paragraph you need to style</p>
  </body>
</html>
```

The expected output should look like this:



Solution to Code Challenge 2 :

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title of the document</title>
  </head>
  <style>
    body{
      background-color: red;
    }
    p{
      background-color: rgb(0,255,0);
    }
    h1{
      background-color: #fff93f;
    }
    h2{
      background-color: rgba(142,54,155,0.5)
    }
  </style>
  <body>
    <h1>This is h1 Element</h1>
    <h2>This is h2 Element</h2>
    <p>This is the paragraph you need to style</p>
  </body>
</html>
```

Code Challenge 3

Perform the following operations on the given HTML Code.

1. Add a background image of your choice for the entire document. (You can use image url from unsplash.com)
2. use this link to download sample image for background)
3. Set the background image for <div> element(of your choice). The image should be shown once, in the top right corner. Give appropriate height to the div tag.
4. Use the correct background property to make the background image NOT scroll with the rest of the page. Check the same after adding extra content, to make sure the image does not move while scrolling the page.
5. Change the font color of h1 element to blue, align it to the center, underline it and make sure all the letters are in upper-case(using CSS).

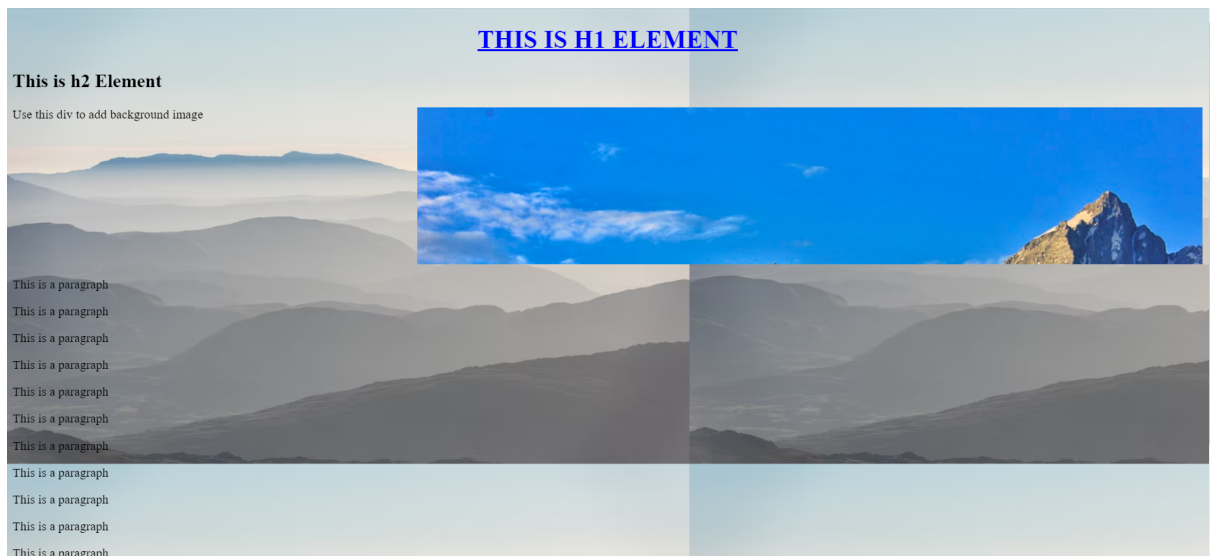
HTML Code to apply the styles on : (Editable)

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title of the document</title>
  </head>
  <body>
    <h1>This is h1 Element</h1>
    <h2>This is h2 Element</h2>
    <div>
      Use this div to add background image
    </div>
    <p>This is the paragraph you need to style</p>
  </body>
</html>
```

HTML Code to apply the styles on : (Image)

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title of the document</title>
  </head>
  <body>
    <h1>This is h1 Element</h1>
    <h2>This is h2 Element</h2>
    <div>
      Use this div to add background image
    </div>
    <p>This is the paragraph you need to style</p>
  </body>
</html>
```

Expected output should look like :



Solution to Code Challenge 3:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Title of the document</title>
```

```

<style>
    body{
        background-image:
url("https://images.unsplash.com/photo-1483354483454-4cd359948304?ixlib=rb
-1.2.1&ixid=MnwxMjA3fDB8MHxwaG90bylwYWdlfHx8fGVufDB8fHx8&auto=format&fit=c
rop&w=870&q=80
");

        background-attachment: fixed;

    }
    div{
        background-image:
url("https://images.unsplash.com/photo-1567739665094-c24f043b8407?ixlib=rb
-1.2.1&ixid=MnwxMjA3fDB8MHxleHBsb3JlLWZlZWR8Mnx8fGVufDB8fHx8&w=1000&q=80")
;

        background-repeat: no-repeat;
        background-position: top right;
        height: 200px;
    }
    h1{
        color: blue;
        text-align: center;
        text-transform: uppercase;
        text-decoration: underline;

    }
</style>
</head>
<body>
    <h1>This is h1 Element</h1>
    <h2>This is h2 Element</h2>
    <div>
        Use this div to add background image
    </div>
    <p>This is a paragraph</p>
    <p>This is a paragraph</p>
    <p>This is a paragraph</p>
    <p>This is a paragraph</p>
    <p>This is a paragraph</p>
    <p>This is a paragraph</p>

```



```
<p>This is a paragraph</p>
<p>This is a paragraph</p>
<p>This is a paragraph</p>
<p>This is a paragraph</p>
<p>This is a paragraph</p>
<p>This is a paragraph</p>
<p>This is a paragraph</p>
<p>This is a paragraph</p>
<p>This is a paragraph</p>
<p>This is a paragraph</p>

</body>
</html>
```