Project 183

DP EDUCATION

Coding School

183

```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta http-equiv="X-UA-Compatible" content="IE=edge">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <link rel= "stylesheet"
8       href= "imageOpacity.css">
9       <title>Document</title>
10  </head>
11  <body>
12      <div class="demo-wrap">
13          <img
14            class="img-bg"
15            background-image src="scenery.jpg"
16            alt=""
17          >
18          <div class="text">
19            <h1>Hello World!</h1>
20          </div>
```

html

Glitch

Web Page

Glitch **Start here**

❖ <u>Let's create a school web page</u>

❖ Since this is a project that will be created in connection with the 182 Homework project, the knowledge of HTML and CSS studied, is required.

❖ Open the glitch project using the link given to you above.

❖ Let's create the website in three parts. That is header, body (here body is the part that contains the information of the school website) and footer.

❖ Add a title related to the name of the school or web page you are going to create to the title tag inside the head tag.

```html
<head>
  <title>DP Education Digital School</title>
  <link rel="stylesheet" href="./style.css" />
</head>
```

❖ First let's see how to create the header that shows the name of the school at the top of the web page.

❖ For this, go to the index.html file and open a header tag as below in its body tags.

❖ It can create the header of the web page. You can use h tags or p tags to insert text into it as follows. In this, design the header as you like.

```html
index.html        + PRETTIER

1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <title>DP Education Digital School</title>
5      <link rel="stylesheet" href="./style.css" />
6    </head>
7    <body>
8      <header>
9        <h1>DP Education Digital School</h1>
10       <p>A School for Life</p>
11     </header>
12   </body>
13 </html>
```

❖ Now let's add styles for the created header tag. 182 Add CSS to the body tag as per the project.

```css
style.css        + PRETTIER

1  body {
2    margin: 0;
3    padding: 0;
4    box-sizing: border-box;
5    overflow-y: scroll;
6  }
7
```
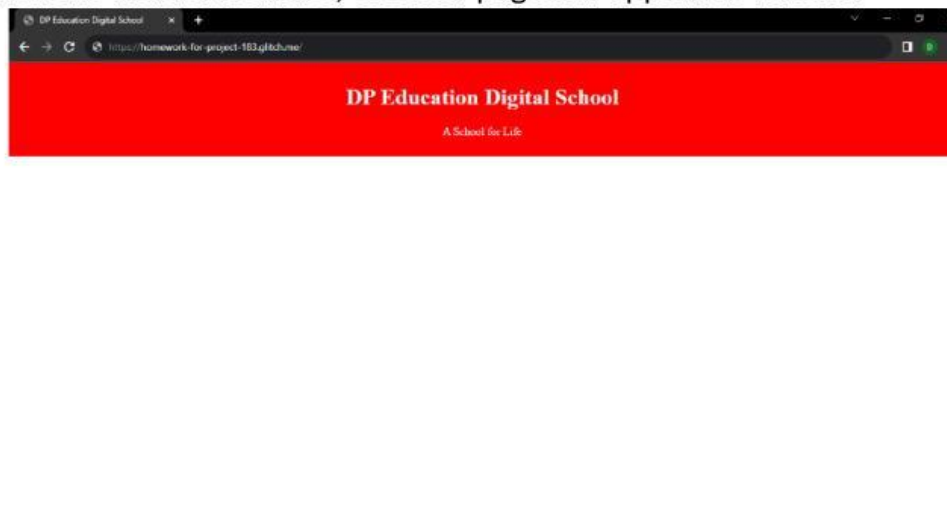
❖ In the same way as the styles were written for the body tag above, let's use the tag name and CSS code for the header tag.

```
 8  header {
 9      background-color: #333;
10      color: white;
11      padding: 10px;
12      text-align: center;
13  }
```

text-align: center aligns all text in the header to the center. color: white sets the font color to white.

You can use the color code of the theme related to the website you are creating.
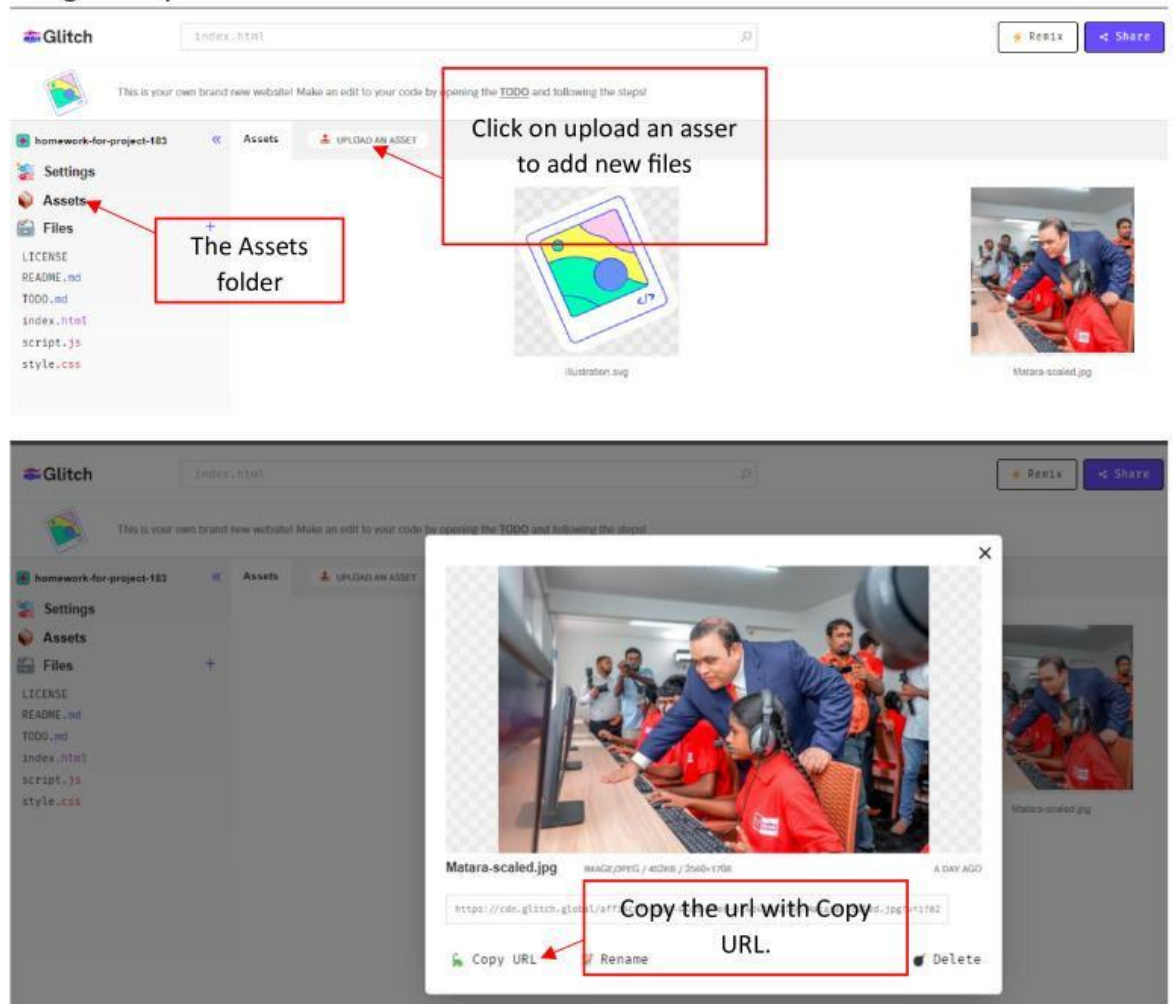
❖ When the header is added, the web page will appear as follows.

❖ Then let's create an image using the img tag to display an image after the header of the web page.
❖ For this let's wrap the image tag in a div tag. Let's give its class name as item.
❖ Add an img tag to it as below and provide the url of the image you want to use in it.

```
12    <div class="item">
13      <img
14        src="https://cdn.glitch.global/aff39cff-02d9-44cd-8fe6-324d43e42166/Matara-scaled.jpg?v=1702527368488"
15        alt=""
16      />
17    </div>
```

Here, add the image you want to the assets folder and copy the link of that image and provide it for the src attribute.

❖ Now let's set the CSS for the div tag added above. For that, go to the style file and catch the div tag with the class name given as item and give the styles as follows.

```
14  .item {
15      display: flex;
16      align-items: center;
17      justify-content: center;
18  }
```

❖ Then add CSS as below to view the added image in full size. Here, css is created for the img tag inside the div tag with the class name mentioned as item.

```
19  .item img {
20      max-width: 100%;
21      max-height: 100%;
22      width: auto;
23      height: auto;
24  }
```

❖ Then the web page will be displayed as below.

❖ Then let's separate the space related to entering the details of the web page into rows and columns as taught in 182.
❖ Here, let's add rows with two columns to the design so that an image and a description are displayed in front of it.
❖ Separate the rows and columns in the Html file as studied in the 182 project as follows.

```
18    <div class="container">
19      <div class="item">1</div>
20      <div class="item">2</div>
21    </div>
22    <div class="container">
23      <div class="item">3</div>
24      <div class="item">4</div>
25    </div>
```

❖ In this div tag, use the class name container and separate it into rows and columns by using two div tags each with the class name item.
❖ Now let's create styles related to the class names prepared as above. We have already created styles related to the class name item, so let's create styles related to the class name container.

```
25    .container {
26      display: grid;
27      grid-template-columns: auto auto;
28      grid-template-rows: auto;
29      height: 100vh;
30    }
```

❖ This separates the grid layout into rows and columns.

❖ Now let's create the footer of the web page.
❖ For that, first add a footer tag in the html file.

```
26    <footer>
27        &copy; 2023 DP Education Digital School. All rights reserved.
28    </footer>
```

❖ You can add the necessary details in the footer tag.

❖ Now let's create styles for the footer tag.

```
31    footer {
32        background-color: #333333;
33        color: white;
34        padding: 20px;
35        text-align: center;
36    }
```

Here the font color is set to white and the text align is set to center.

❖ Then, the footer will be displayed in the web page as shown below.

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