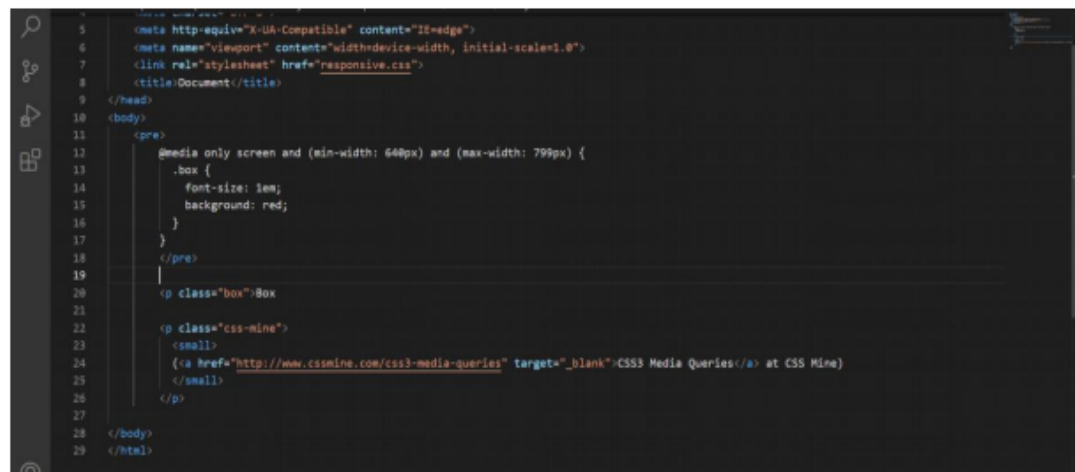


WEEK 2

The method of responsive web design proposes that design and development should adjust to the user's behaviour and environment based on screen size, platform, and orientation. The technique combines flexible grids and layouts, graphics, and the judicious use of CSS media queries.

Responsive design allows website's content to flow smoothly across all screen resolutions and sizes, resulting in a stunning appearance on all devices. It also eliminates the need to maintain separate versions of the website for mobile and desktop, saving time, resources, and effort.



```
1 <!-- HTML Document -->
2
3 <!-- CSS Document -->
4
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" href="responsive.css">
8 <title>Document</title>
9
10 </head>
11 <body>
12   <pre>
13     @media only screen and (min-width: 640px) and (max-width: 799px) {
14       .box {
15         font-size: 1em;
16         background: red;
17       }
18     }
19   </pre>
20   <p class="box">Box
21
22   <p class="css-mine">
23     <small>
24       (<a href="http://www.cssmine.com/css3-media-queries" target="_blank">CSS3 Media Queries</a> at CSS Mine)
25     </small>
26   </p>
27
28 </body>
29 </html>
```

External CSS:

```
.box {
  display: inline-block;
  padding: 1em;
  margin: 1em;
  background: #000080;
  font-size: 2em;
}

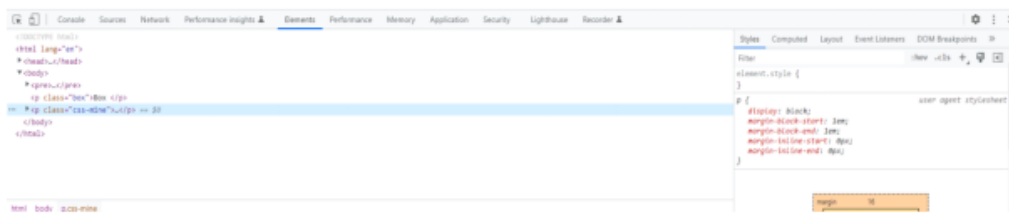
@media only screen and (min-width: 640px) and (max-width: 799px) {
  .box {
    font-size: 1em;
    background: red;
  }
}
```

Result:

```
@media only screen and (min-width: 640px) and (max-width: 799px) {
  .box {
    font-size: 1em;
    background: red;
  }
}
```



(CSS3 Media Queries at CSS Maze)



In media queries, the `@media` rule is used to apply various styles to different media types/devices.

Many things may be checked with media queries, including:

- viewport width and height,
- device orientation (is the tablet/phone in landscape or portrait mode?)
- resolution

A typical way for sending a customized style sheet (responsive web design) to desktops, laptops, tablets, and mobile phones is to use media queries.