

Ex. No. 3	Responsive Web Page Design using HTML and CSS
Date of Exercise	27/7/2023

Aim:

To Create a responsive HTML web page using HTML and CSS.

Description:**Basic CSS Selector**

The CSS 'element' Selector

Element or tag name

The CSS 'id' Selector

id attribute in html, # symbol to access in css

The CSS 'class' Selector

class attribute in html, .(dot) symbol to access in css

The CSS Universal(*) Selector

Select all the elements or tags.

Formatting Text

The color property is used to set the color of a text.

color: green;

The letter-spacing property is used to adjust space between the letters that make a word.

letter-spacing:5px

The text-align property is used to align the text of a document. The possible values are left, right, center, justify.

text-align:right

The text-decoration property is used to underline, overline, and strikethrough text. The possible values are none, underline, overline, line-through, blink.

```
text-decoration:underline
```

Background

The CSS background properties are used to define the background effects for elements.

The background-color property specifies the background color of an element.

```
background-color: lightblue;
```

The background-image property specifies an image to use as the background of an element.

```
background-image: url("paper.gif");
```

Showing the background image only once is also specified by the background-repeat property:

```
background-repeat: no-repeat
```

CSS Box Model

Every CSS box is divided into regions, consisting of:

Content

Text & web page elements in the container

Padding

Space between the content and the border

Border

Space between the padding and the margin

Margins

Empty space between the element and adjacent elements

Program**HTML**

```
<!DOCTYPE html>
```

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

```
<head>
```

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

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

```
  <title>Document</title>
```

```
  <link rel="stylesheet" href="ex3.css">
```

```
</head>
```

```
<body>
```

```
  <h1>RealMe</h1>
```

```
  <div id="img">
```

```
  </div>
```

```
  <div id="p1">
```

```
    <h3>About us</h3><br>
```

```
    <p>
```

realme has been devoted to empowering youth to be more daring through leap-forward technology and design.

Upon the establishment of realme in 2018, we have never stopped outdoing ourselves in terms of branding, product performance, design, quality and customer service. Applying next-level technologies on smartphones and AIoT products, we are able to provide next-level experience to our consumers.

Support from our fans had inspired us to become the smartphone brand to achieve shipment of 100 million in just three years in 2021, leading us to rank among mainstream smartphone brands rapidly.

We have been operating in 61 markets globally, including China, India, Southeast Asia, Europe, Latin America, the Middle East and Africa.

Realme offers a wide range of smartphones catering to various price segments. They have budget-friendly options, mid-range devices, and some higher-end models. The naming conventions of their phones usually involve series like Realme C-series, Realme Narzo, Realme 6/7/8 series, and Realme X-series

</p>

</div>

<div id="cimg">

<div class="i1"><div class="i11">RealMe Buds Air</div></div>

<div class="i2"><div class="i22">Realme 9 pro</div></div>

<div class="i3"><div class="i33">Realme Smart Watch</div></div>

</div>

<div id="rimg">

<div class="j1">

<div style="margin-top: 130px;">

<h3>Realme 10</h3>

<p>Realme 10 is a budget smartphone that was launched in India in 2023. It comes with a 90Hz super AMOLED display which is impressive on a budget smartphone in this range1. The phone has a 5000mAh battery which is quite large and should last you through the day2. The phone has a 50 MP back camera and 16 MP front camera which should be good enough for

casual photography3. The phone comes with an octa-core processor and up to 8GB+8GB Dynamic RAM which should be good enough for most users2.</p>

</div>

</div>

<div class="j2"></div>

</div>

<div id="limg">

<div class="j3"></div>

<div class="j4">

<div style="margin-top: 130px;">

<h3>Realme X7</h3>

<p>Realme X7 5G is a smartphone that was launched in India in 2020. It comes with a MediaTek Dimensity 800U processor and 5G (dual-SIM, dual-standby) which is impressive on a budget smartphone in this range1. The phone has a 4310mAh battery which should last you through the day2. The phone has a 64 MP back camera and 16 MP front camera which should be good enough for casual photography2.</p>

</div>

</div>

</div>

</body>

</html>

CSS

```
*{  
    margin: 0;  
}  
  
h1{  
    background-color:#121312;  
    text-align: center;  
    color: #ffc913;  
    font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial,  
    sans-serif;  
}  
  
#img{  
    background-image: url('./Realme_logo.png');  
    background-size: 100% 100%;  
    width: 100%;  
    height: 400px;  
}  
  
#p1{  
    color: #ffc913;  
    background-color: #121312;  
    font-size: 20px;  
    padding: 10px;  
}
```

```
h3{
    text-align: center;
}

#cimg{
    background-color: aqua;
    display: flex;
    flex-direction: row;
}

.i1{
    background-image: url('./buds.jpg');
    background-size: cover;
    height: 300px;
    width: 33.9%;
}

.i11{
    color: #ffc913;
    background-color: #121312;
    opacity: 0.5;
    margin-top: 250px;
    font-size: 30px;
    text-align: center;
}

.i2{
```

```
background-image: url('./rme2.jpg');  
background-size: cover;  
height: 300px;  
width: 33%;  
}
```

```
.i22{  
    color: #ffc913;  
    background-color: #121312;  
    opacity: 0.5;  
    margin-top: 35px;  
    font-size: 30px;  
    text-align: center;  
}
```

```
.i3{  
    background-image: url('./rme3.jpg');  
    background-size: cover;  
    height: 300px;  
    width: 33.9%;  
}
```

```
.i33{  
    color: #ffc913;  
    background-color: #121312;
```



```
opacity: 0.5;

margin-top: 250px;

font-size: 30px;

text-align: center;
}

#rimg{

display: flex;

flex-direction: row;
}

.j1{

font-size: 20px;

width: 40%;

background-color: #121312;

color: #ffc913;
}

.j2{

background-image: url('./rme10pro.png');

background-size: cover;

width: 60%;

height: 520px;
}

#limg{

display: flex;
```

```
    flex-direction: row;
}
.j4{
    font-size: 20px;
    width: 40%;
    background-color: #121312;
    color: #ffc913;
    padding: 10px;
}
.j3{
    background-image: url('/rmex7.jpeg');
    background-size: cover;
    width: 60%;
    height: 520px;
}
```

Output Screenshot:



Result

Responsive website has been created using HTML and CSS and the output is verified.