**Introduction to Background properties**

**Que1: Create a HTML page which has a container div. This div should take height and width of the page.Add a fixed background image to this div which should cover the whole page and should not be repeated.**

**Code:**

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport"

content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Document</title>

<style>

\*, body{

width: 100%;

height: 100%;

margin: 0;

box-sizing: border-box;

}

.container{

width: 100%;

height: 100%;

background-image: url("assets/bg-image.png");

background-size: cover;

background-repeat: no-repeat;

background-attachment: fixed;

}

</style>

</head>

<body>

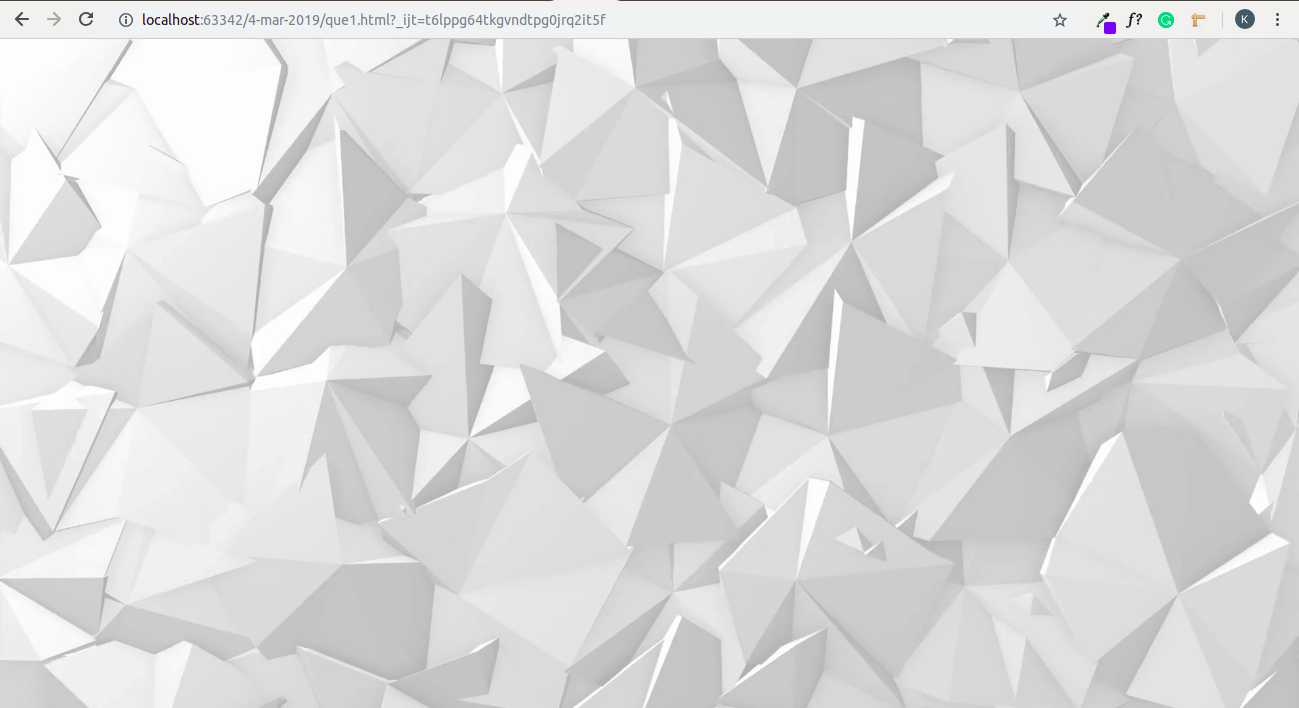
<div class="container">

</div>

</body>

</html>

**Output:**

****

**Que 2: Create a content div(height and width 500px respectively) inside the container Add a background image to the content div which should also be horizontally and vertically centered.**

**Code:**

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport"

content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Document</title>

<style>

\*, body{

width: 100%;

height: 100%;

margin: 0;

box-sizing: border-box;

}

.content{

height: 500px;

width: 500px;

background-image: url("assets/content-image.jpeg");

background-repeat: no-repeat;

background-position: center ;

border: 1px solid red;

}

</style>

</head>

<body>

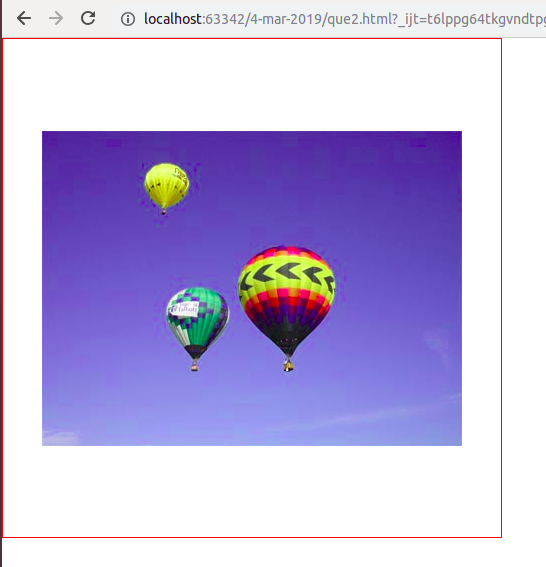
<div class="content">

</div>

</body>

</html>

**Output:**

****

**Que 3: Add p tag inside the content div. The text of the p tag should overflow content height and therefore there must be a scroll on the content div. The background image of the content should scroll with the text.**

**Code:**

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport"

content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Document</title>

<style>

\*, body{

width: 100%;

height: 100%;

margin: 0;

box-sizing: border-box;

}

.content{

height: 500px;

width: 500px;

background-image: url("assets/content-image.jpeg");

background-repeat: no-repeat;

background-position: center ;

border: 1px solid red;

overflow-y: auto;

font-weight: bold;

}

</style>

</head>

<body>

<div class="content">

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Accusantium dolorem dolores earum esse facilis impedit incidunt maiores minima modi nesciunt obcaecati omnis quidem quisquam rem saepe, similique ullam veniam voluptate?

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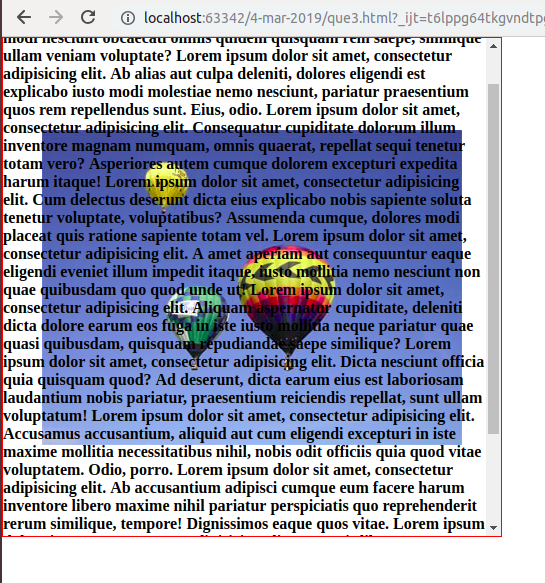
Lorem ipsum dolor sit amet, consectetur adipisicing elit. Dolores, saepe, similique? Aperiam, dolore dolorum enim error eum ipsum iure iusto, laborum maiores nobis odit omnis saepe sed, vel voluptates voluptatum.</p>

</div>

</body>

</html>

**Output:**

****

**Que 4: Add background color red to the p tag. The color should be a hex value.**

**Code:**

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport"

content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Document</title>

<style>

\*, body{

width: 100%;

height: 100%;

margin: 0;

box-sizing: border-box;

}

.content{

height: 500px;

width: 500px;

background-image: url("assets/content-image.jpeg");

background-repeat: no-repeat;

background-position: center ;

border: 1px solid red;

overflow-y: auto;

font-weight: bold;

}

.content p{

background-color: #f00;

}

</style>

</head>

<body>

<div class="content">

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Accusantium dolorem dolores earum esse facilis impedit incidunt maiores minima modi nesciunt obcaecati omnis quidem quisquam rem saepe, similique ullam veniam voluptate?

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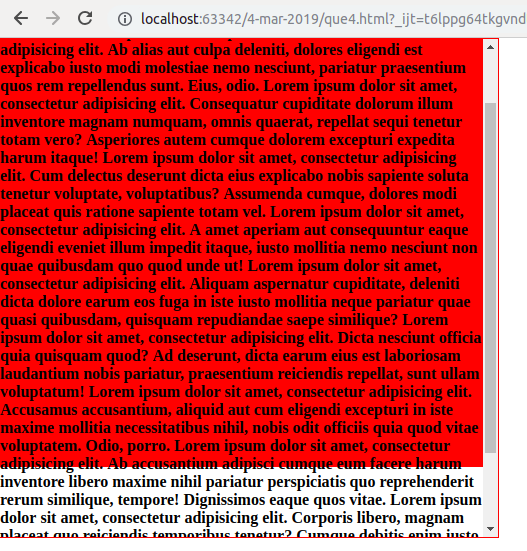
Lorem ipsum dolor sit amet, consectetur adipisicing elit. Dolores, saepe, similique? Aperiam, dolore dolorum enim error eum ipsum iure iusto, laborum maiores nobis odit omnis saepe sed, vel voluptates voluptatum.</p>

</div>

</body>

</html>

**Output:**

****

**Que 5: Add a footer to the container div which should contain 3 span tags having background image of facebook , instagram and twitter icons in the same order as written.**

**Code:**

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport"

content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Document</title>

<style>

\*, body{

width: 100%;

height: 100%;

margin: 0;

box-sizing: border-box;

}

.container{

width: 100%;

height: 100%;

background-image: url("assets/bg-image.png");

background-size: cover;

background-repeat: no-repeat;

background-attachment: fixed;

}

.container footer{

width: 100%;

height: 100%;

display: flex;

}

span.facebook{

width: 200px;

height: 200px;

background-image: url("assets/footer-image.png");

display: block;

background-position: 20% 0%;

}

span.instagram{

width: 200px;

height: 200px;

background-image: url("assets/footer-image.png");

display: block;

background-position: 0% 0%;

}

span.twitter{

width: 200px;

height: 200px;

background-image: url("assets/footer-image.png");

display: block;

background-position: 40% 0%;

}

</style>

</head>

<body>

<div class="container">

<footer>

<span class="facebook"></span>

<span class="instagram"></span>

<span class="twitter"></span>

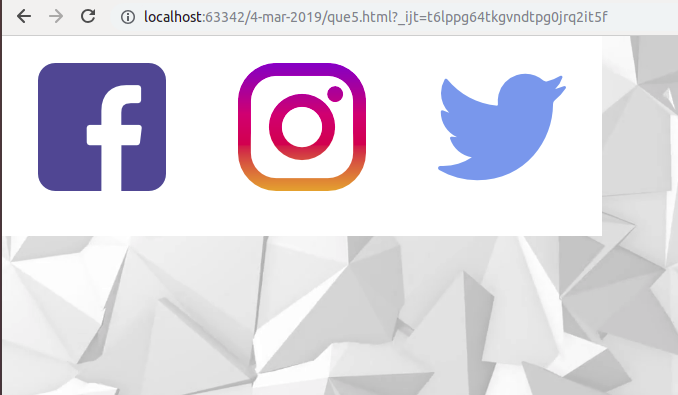
</footer>

</div>

</body>

</html>

**Output:**

****

**Que 6 : Create a div with height and width 100px. Animate id twice for total 4 seconds. It should change the opacity of the element from 1 to 0 and then to 0.5. Animation should start after 3 seconds.**

**Code:**

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport"

content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Document</title>

<style>

\*, body{

width: 100%;

height: 100%;

margin: 0;

box-sizing: border-box;

}

.container{

width: 200px;

height: 200px;

background-color: #ff0000;

animation-name: animation;

animation-duration: 4s;

animation-delay: 3s;

animation-iteration-count: 2;

}

@keyframes animation {

0% {opacity: 1}

50% {opacity: 0}

100%{opacity: 0.5}

}

</style>

</head>

<body>

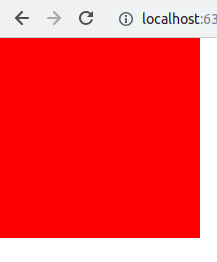
<div class="container">

</div>

</body>

</html>

**Output:**

****

**Que 7. Create a div with height 100px and width 200px respectively. It’s background-color should be #ff00ff with a 1px solid border coloured #000. On active change it’s height to 200px and width to 100px. Background-color should be #000 with a 2px solid border colored #ff00ff. Also scale it to thrice it’s height and twice its width. The whole process should have transition for all the above mentioned properties which should run for 3 seconds.**

**Code:**

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport"

content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Document</title>

<style>

\*, body{

width: 100%;

height: 100%;

margin: 0;

box-sizing: border-box;

}

.container{

width: 200px;

height: 100px;

background-color: #ff00ff;

border: 1px solid #000;

cursor: pointer;

}

.container:active{

height: 200px;

width: 100px;

background-color: #000;

border: 2px solid #ff00ff;

transform: scale(3,2);

transition: width 3s,height 3s,background-color 3s,border 3s, transform 3s;

}

</style>

</head>

<body>

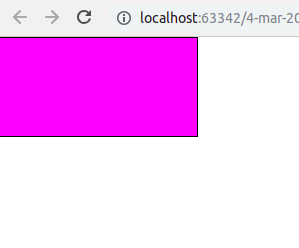
<div class="container">

</div>

</body>

</html>

**Output:**

****