TASK:1 Create an image gallery using CSS grid?

SOLUTION:1

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>ASSIGNMENT</title>

<style>

.box {

display: grid;

grid-template-columns: repeat(3, 1fr);

grid-template-rows: repeat(3, 250px);

gap: 20px;

padding: 20px;

}

img{

height: 100%;

width: 100%;

border-radius: 10px;

}

.box1{

grid-column-start: 1;

grid-column-end: 3;

grid-row-start: 1;

grid-row-end: 2;

}

.box2{

grid-column-start: 2;

grid-column-end: 3;

grid-row-start: 2;

grid-row-end: 3;

}

.box3{

grid-column-start: 3;

grid-column-end: 4;

grid-row-start: 1;

grid-row-end: 2;

}

.box4{

grid-column-start: 1;

grid-column-end: 2;

grid-row-start: 2;

grid-row-end: 4;

}

.box5{

grid-column-start: 2;

grid-column-end: 3;

grid-row-start: 3;

grid-row-end: 4;

}

.box6{

grid-column-start: 3;

grid-column-end: 4;

grid-row-start: 2;

grid-row-end: 4;

}

</style>

</head>

<body>

<div class="box">

<div class="box1"><img src="imageex1.jpeg" alt=""></div>

<div class="box2"><img src="imageex2.jpeg" alt=""></div>

<div class="box3"><img src="imageex3.jpeg" alt=""></div>

<div class="box4"><img src="imageex4.jpeg" alt=""></div>

<div class="box5"><img src="imageex5.jpeg" alt=""></div>

<div class="box6"><img src="imageex6.jpeg" alt=""></div>

</div>

</body>

</html>

TASK :2 Write code to arrange containers with texts A, B, C, and D as shown in the below image.

SOLUTION:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Document</title>

<style>

.container{

display: grid;

gap: 10px;

grid-template-columns: 100px 100px 100px;

}

.box{

background-color: rgb(245, 153, 42);

color: #fff;

border-radius: 5px;

padding: 20px;

font-size: 150%;

color: black;

}

.box1 {

grid-column: 1 / 3;

grid-row: 1;

}

.box2 {

grid-column: 3;

grid-row: 1/3;

}

.box3 {

grid-column: 1;

grid-row: 2;

}

.box4 {

grid-column: 2;

grid-row: 2;

}

</style>

</head>

<body>

<div class="container">

<div class="box box1">A</div>

<div class="box box2">B</div>

<div class="box box3">C</div>

<div class="box box4">D</div>

</div>

</body>

</html>

TASK:3 Explain the use of grid-auto-row and grid-auto-column using code examples.

SOLUTION:

The grid-auto-row CSS property is part of the CSS grid layout specification, specifying the size of the grid rows that were created without having an explicit size.

Example:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Document</title>

<style>

.container{

display: grid;

gap: 10px;

grid-template-columns: 100px ;

grid-auto-rows: 200px;

}

.box{

background-color: rgb(245, 153, 42);

color: #fff;

border-radius: 5px;

padding: 20px;

font-size: 150%;

color: black;

}

.box1 {

grid-column: 1 / 3;

grid-row: 1;

}

.box2 {

grid-column: 3;

grid-row: 1/3;

}

.box3 {

grid-column: 1;

grid-row: 2;

}

.box4 {

grid-column: 2;

grid-row: 2;

}

</style>

</head>

<body>

<div class="container">

<div class="box box1">A</div>

<div class="box box2">B</div>

<div class="box box3">C</div>

<div class="box box4">D</div>

</div>

</body>

</html>

TASK: 4 Write CSS to show numbers as shown in the figure, without altering the below html

Code.

SOLUTION:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Document</title>

<style>

.container {

width: 600px;

display: grid;

grid-template-columns: repeat(6, 100px);

grid-gap: 10px;

}

.box{

background-color: #444;

color: #fff;

border-radius: 5px;

padding: 20px;

font-size: 150%;

gap: 10px;

row-gap: 20px;

order: 1;

}

.box3{

order: 1;

}

.box1{

order: 2;

}

.box2{

order: 3;

}

</style>

</head>

<body>

<div class="container">

<div class="box box1">1</div>

<div class="box box2">2</div>

<div class="box box3">3</div>

<div class="box box4">4</div>

<div class="box box5">5</div>

<div class="box box6">6</div>

<div class="box box7">7</div>

<div class="box box8">8</div>

</div>

</body>

</html>

TASK:5 Explain the difference between justify-items and justify-self using code examples.

SOLUTION: The main difference between them is that justify-items apply to grid containers and justify-self applies to grid-items.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Document</title>

<style>

.container {

width: 600px;

display: grid;

grid-template-columns: 100px 100px 100px;

justify-items: center;

grid-gap: 10px;

}

.box{

background-color: #444;

color: #fff;

border-radius: 5px;

padding: 20px;

font-size: 150%;

gap: 10px;

row-gap: 20px;

order: 1;

}

.box3{

order: 1;

}

.box1{

order: 2;

}

.box2{

order: 3;

}

</style>

</head>

<body>

<div class="container">

<div class="box box1">1</div>

<div class="box box2">2</div>

<div class="box box3">3</div>

<div class="box box4">4</div>

<div class="box box5">5</div>

<div class="box box6">6</div>

<div class="box box7">7</div>

<div class="box box8">8</div>

</div>

</body>

</html>