TASK1: Create a simple webpage with a header, a main content section, and a footer. Apply a media query that changes the background color of the header to blue when the screen width is less than 600px.

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: 100%;

height: 100%;

}

.nav{

width: 100%;

height: 70px;

text-align: center;

background-color: lightblue;

}

@media screen and (min-width:600px) {

.nav{

background-color: red;

}

}

</style>

</head>

<body>

<div class="container">

<h1 class="nav">responsive header</h1>

<p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Nostrum molestiae

eius aut impedit porro repellat? Velit eveniet, nulla nostrum, recusandae

eius soluta esse nihil laborum tempora quis eos corporis excepturi veritatis

numquam fugit laboriosam similique odio voluptates minus distinctio corrupti.

Perferendis est voluptas porro praesentium laborum autem eveniet dicta quo,

voluptatum culpa quod, in, impedit consequatur voluptates ratione. Quis, vero?</p>

<footer>follow me</footer>

</div>

</body>

</html>

TASK:2 Create an image gallery with three images in a row. Use media queries to adjust the layout to two images in a row for screens smaller than 800px and one image in a row for screens smaller than 500px.

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>

.gallery{

display: flex;

flex-wrap: wrap;

justify-content: center;

}

.gallery img {

width: 30%;

margin: 10px;

}

@media screen and (max-width: 800px) {

.gallery img {

width: 45%;

}

}

@media screen and (max-width: 500px) {

.gallery img {

width: 100%;

}

}

</style>

</head>

<body>

<div class="gallery">

<img src="MEDIA-ASSIGNMENT-IMG.jpg" alt="image">

<img src="MEDIA-ASSIGNMENT-IMG.jpg" alt="image">

<img src="MEDIA-ASSIGNMENT-IMG.jpg" alt="image">

</div>

</body>

</html>

TASK3: Create a navigation bar with five links. Apply a media query that converts the navigation into a vertical list for screens smaller than 768px and also changes the background color to gray.

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>

.nav-bar{

width: 100vw;

display: flex;

justify-content: space-around;

background-color: rgb(5, 5, 5);

}

@media screen and (max-width:768px) {

.nav-bar{

flex-direction: column;

align-items: center;

background-color: gray;

}

}

</style>

</head>

<body>

<nav class="nav-bar">

<a href="">home</a>

<a href="">about</a>

<a href="">services</a>

<a href="">portfolio</a>

<a href="">about us</a>

</nav>

</body>

</html>

TASK4: Create a grid based layout containing four grid items which arranges them as the screen size changes.

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{

background-color: rgb(223, 139, 139);

display: grid;

grid-template-columns: 1fr;

gap: 20px;

padding: 20px;

min-height: 100vh;

}

.box1{

background-color: yellow;

color: white;

}

.box2{

background-color: rgb(72, 223, 13);

color: white;

}

.box3{

background-color: rgb(45, 6, 151);

color: white;

}

.box4{

background-color: rgb(212, 72, 7);

color: white;

}

@media screen and (min-width: 768px) {

.container {

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

}

</style>

</head>

<body>

<div class="container">

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

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

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

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

</div>

</body>

</html>

TASK5: Create the below given layout using the flexbox in css, which should adapt itself on mobile screen as per given below output.

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>

body {

margin: 0;

font-family: Arial, sans-serif;

}

.container {

display: flex;

flex-direction: column;

min-height: 100vh;

background-color: #f5f5f5;

}

.header,

.footer {

background-color: #333;

color: white;

padding: 20px;

text-align: center;

}

.main {

display: flex;

flex-direction: column;

flex: 1;

}

.sidebar,

.content {

background-color: #ddd;

padding: 20px;

text-align: center;

}

.sidebar {

background-color: #66cc99;

color: white;

}

.content {

background-color: #ff9933;

color: white;

}

/\* Media Queries \*/

@media screen and (min-width: 768px) {

.container {

flex-direction: row;

}

.sidebar,

.content {

flex: 1;

}

}

</style>

</head>

<body>

<div class="container">

<div class="header">header</div>

<div class="main">

<div class="sidebar">main</div>

<div class="content">content</div>

</div>

<div class="footer">footer</div>

</div>

</body>

</html>