

```
<div class = "container">
```

```
<div class = "head"> fluid layout Header.
```

```
</div>
```

```
</body>
```

```
</html>
```

Output:-

Responsive web design
This is the main content area

By incorporating these CSS techniques, we can create a website with fixed, fluid, and responsive layouts that adapt to various devices & screen sizes, user-friendly experience.

4)

Fluid Grids:-

Assignment-2

Percentage - based widths.

```
<!doctype html>
```

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

```
<head>
```

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

```
<meta Name = "View port">
```

```
Content = "width = device - width,  
initial - scale = 1.0">
```

```
<title> Responsive layout with fluid grids  
</title>
```

```
<style>
```

```
body {
```

```
margin: 0;
```

```
font-family: Arial;
```

```
border: 1px solid;
```

```
}
```

```
@ media (max-width: 768px) {
```

```
container {
```

```
grid-template-columns: 1fr;
```

```
}
```

```
}
```

```
<div class = "container">
```

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

```

<div class="item"> content </div>
</div>
</body>
</html>

```

Flexible Images

```

<!doctype html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
content="width=device-width, initial-scale
=1.0">

```

output:-

```

</style>
</head>
<body>

```

Responsive web design
Screen size for optimal experience

```


</body>
</html>

```

we fluid grids for flexibility, media queries for responsive design and techniques like flexible images and touch-friendly elements to enhance usability and performance across devices.

5) web page Design: product Listings:-

Sample HTML layout that it includes product images, descriptions, and price, laid out with tables and lists where appropriate.

HTML structure:-

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">

```

```

<meta name = "viewport"
content = "width = device-width, initial-scale = 1" />
<title> product </title>
href = "style.css"
<script src = "script.js" defer> </script>
</head>
<body>
  <header>
    <h1> product intro </h1>
    <nav>
      <ul>
        <li><a
href = "#home" > home </a> </li>
        <li><a
href = "#contact" > contact </a> </li>
      </ul>
    </nav>
  </header>
  <main>
  <footer>
    <p> © Copy: 2024 my company </p>
  </footer>
</body>
</html>

```

Output:-

my blog
By Author Name on citation

JavaScript (script.js).

```

document.addEventListener("DOMContentLoaded", () => {
  console.log("Document loaded and
  parsed");
});

```

})