



Welcome Geeks

Topics to be covered

- CSS techniques like flexbox and grid
- Best practices for HTML and CSS development
- Overview of JavaScript language and its features

CSS Layouts

- display property

```
<p>I love my cat.</p>
```

```
<ul>
```

```
  <li>Buy cat food</li>
```

```
  <li>Exercise</li>
```

```
  <li>Cheer up friend</li>
```

```
</ul>
```

```
<p>The end!</p>
```

I love my cat.

- Buy cat food
- Exercise
- Cheer up friend

The end!

CSS Layouts

- display property

```
<p>I love my cat.</p>
```

```
<ul>
```

```
  <li>Buy cat food</li>
```

```
  <li>Exercise</li>
```

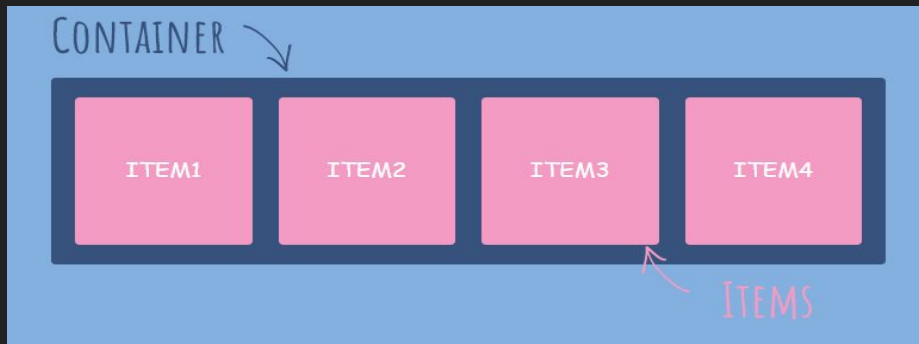
```
  <li>Cheer up friend</li>
```

```
</ul>
```

```
<p>The end!</p>
```

CSS Layouts

- display: flex
- Modern layout mode
- Align items both horizontally and vertically.



justify-content

FLEX-START



FLEX-END



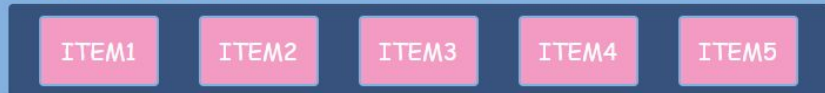
CENTER



SPACE-BETWEEN



SPACE-AROUND

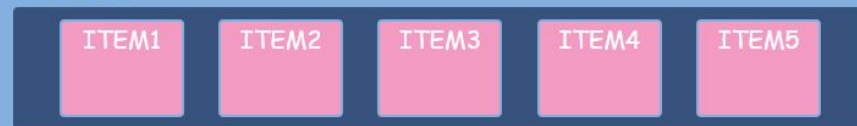


SPACE-EVENLY



align-items

STRETCH



FLEX-START



FLEX-END



CENTER



BASELINE

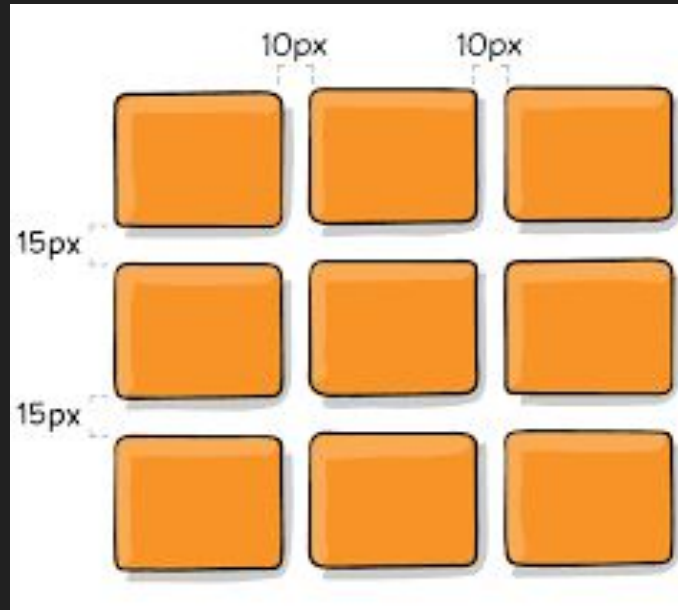


Task:

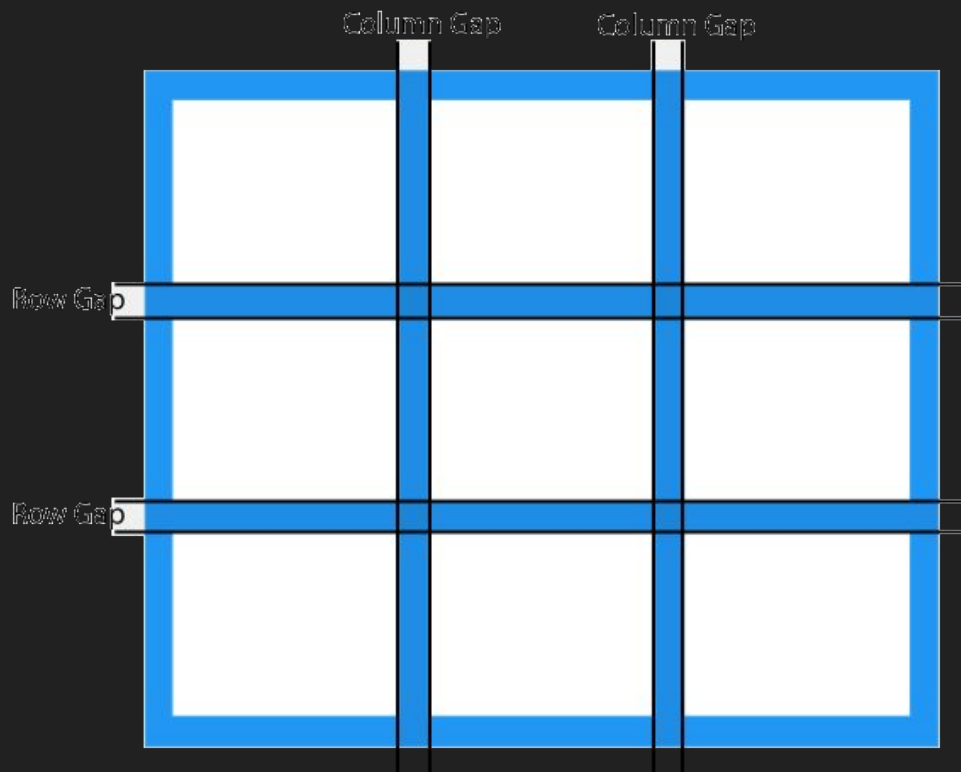
Put a button on center of
page

CSS Layouts

- `display: grid`



CSS Layouts



HTML Best Practices

Use Semantic HTML: Use HTML elements that convey the meaning of their content, like `<header>`, `<nav>`, `<main>`, `<article>`, `<section>`, and `<footer>` instead of using non-semantic elements like `<div>` or ``.

Indentation and Formatting: Use consistent indentation (usually 2 or 4 spaces) and proper formatting to make your code more readable.

Use Lowercase for Tags: While HTML is case-insensitive, using lowercase for tags is a widely adopted convention for readability.

Provide Alternative Text for Images: Use the `alt` attribute to provide descriptive text for images. This is essential for accessibility and SEO.

Avoid Inline Styles: Instead of using inline styles (e.g., `style="color: red;"`), prefer using external CSS for styling.

Example

Time for Hands On!

Topics to be covered

- Programming in JavaScript

Introduction to JavaScript

- JavaScript is the world's most popular programming language.
- JavaScript can be used for Client-side developments as well as Server-side developments

<https://survey.stackoverflow.co/2022/>

Including JavaScript in an HTML Page

```
<script type="text/javascript">
```

```
//JS code goes here
```

```
</script>
```


Call an External JavaScript File

```
<script src="myscript.js"></script>
```

Including Comments

Single-line comments — To include a comment that is limited to a single line, precede it with `//`

Multi-line comments — In case you want to write longer comments between several lines, wrap it in `/*` and `*/` to avoid it from being executed

Console