**CSS Float Lab: Using the float Property**
**Objective:**
In this lab, you will learn how to use the float property in CSS to position elements side by side and create simple layouts. You will experiment with different float directions and understand how floating elements behave in relation to other elements on the page.

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**Part 1: Basic Setup**
    1.  **Create an HTML file:**
Create a new HTML file named float-lab.html and set up a basic structure.
    2.  **Add Boxes:**
You will create four div elements with the class name box. These boxes will be floated using CSS in different directions.

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>CSS Float Lab</title>
    <style>
        /* We'll add our CSS styles here */
    </style>
</head>

<body>
    <h1>CSS Float Lab</h1>

    <div class="box" id="box1">Box 1</div>
    <div class="box" id="box2">Box 2</div>
    <div class="box" id="box3">Box 3</div>
    <div class="box" id="box4">Box 4</div>
</body>

</html>
```

**Part 2: Add Basic CSS for Floating**
    1.  **Style the Boxes:**
In the styles.css, add the following styles:

- **Explanation:**
  The .box class defines the size, background color, margin, and basic appearance of each box. Each box is 150px wide and 100px tall, with text centered inside.

**Part 3: Experimenting with float Property**

1. **Float Boxes to the Left of each other:**

Add the following CSS to float Box 1 to the left.

```css
#box1 {
    float: left;
}

#box2 {
    float: left;
}

#box3 {
    float: left;
}

#box4 {
    float: left;
    /* clear: left; */
    background-color: lightgreen;
}
```

**Part 4: Experimentation**
1. **Change Float Directions:**

Try floating Box 2 to the right and see how the layout changes.

```css
#box2 {
    float: right;
}
```

2. **Clear Float:**

Add clear: left to clear the float

```css
#box4 {
    /* float: left; */
    clear: left;
    background-color: lightgreen;
}
```