

# CSS Combinators - Practice Code

## Problem Statement 1: Adjacent Sibling Selector

With help of the adjacent sibling selectors apply styles to paragraph elements that are directly followed by the div element in the HTML code.

### Adjacent Sibling Selector

The + selector is used to select an element that is directly after another specific element.

The following example selects the first p element that are placed immediately after div elements:

Paragraph 1 in the div.

Paragraph 2 in the div.

Paragraph 3. After a div.

Paragraph 4. After a div.

Paragraph 5 in the div.

Paragraph 6 in the div.

Paragraph 7. After a div.

Paragraph 8. After a div.

## Problem Statement 2: General Sibling Selector

With help of the general sibling selector apply styles to all paragraph elements that are next siblings of a div element.

### General Sibling Selector

The general sibling selector (~) selects all elements that are next siblings of a specified element.

Paragraph 1.

Paragraph 2.

Paragraph 3.

Some code.

Paragraph 4.

### Problem Statement 3: Child Combinator Selector

With help of the child combinator selector apply styles to all paragraph elements that are the children of a div element.

#### **Child Selector**

The child selector (>) selects all elements that are the children of a specified element.

Paragraph 1 in the div.

Paragraph 2 in the div.

Paragraph 3 in the div (inside a section element).

Paragraph 4 in the div.

Paragraph 5. Not in a div.

Paragraph 6. Not in a div.

### Problem Statement 4: Descendant Combinator Selector

With help of descendant Combinator Selector apply styles to all paragraph elements that are descendants of a div element.

#### **CSS Descendant Selector**

The descendant selector matches all elements that are descendants of a specified element.

Paragraph 1 in the div.

Paragraph 2 in the div.

Paragraph 3 in the div.

Paragraph 4. Not in a div.

Paragraph 5. Not in a div.

## Solution:

### Problem Statement 1:

```
<!DOCTYPE html>
<html>
<head>
<style>
div + p {
    background-color: yellow;
}
</style>
</head>
<body>

<h2>Adjacent Sibling Selector</h2>

<p>The + selector is used to select an element that is directly after
another specific element.</p>
<p>The following example selects the first p element that are placed
immediately after div elements:</p>

<div>
    <p>Paragraph 1 in the div.</p>
    <p>Paragraph 2 in the div.</p>
</div>

<p>Paragraph 3. After a div.</p>
<p>Paragraph 4. After a div.</p>

<div>
    <p>Paragraph 5 in the div.</p>
    <p>Paragraph 6 in the div.</p>
</div>

<p>Paragraph 7. After a div.</p>
<p>Paragraph 8. After a div.</p>

</body>
</html>
```

### Problem Statement 2:

```
<!DOCTYPE html>
<html>
<head>
<style>
div ~ p {
    background-color: yellow;
}
</style>
</head>
<body>
```

## <h2>General Sibling Selector</h2>

<p>The general sibling selector (~) selects all elements that are next siblings of a specified element.</p>

<p>Paragraph 1.</p>

```
<div>
  <p>Paragraph 2.</p>
</div>
```

<p>Paragraph 3.</p>  
<code>Some code.</code>  
<p>Paragraph 4.</p>

```
</body>
</html>
```

### Problem Statement 3:

```
<!DOCTYPE html>
<html>
<head>
<style>
div > p {
  background-color: yellow;
}
</style>
</head>
<body>
```

## <h2>Child Selector</h2>

<p>The child selector (>) selects all elements that are the children of a specified element.</p>

```
<div>
  <p>Paragraph 1 in the div.</p>
  <p>Paragraph 2 in the div.</p>
  <section>
    <!-- not Child but Descendant -->
    <p>Paragraph 3 in the div (inside a section element).</p>
  </section>
  <p>Paragraph 4 in the div.</p>
</div>
```

<p>Paragraph 5. Not in a div.</p>  
<p>Paragraph 6. Not in a div.</p>

```
</body>
</html>
```

#### Problem Statement 4:

```
<!DOCTYPE html>
<html>
<head>
<style>
div p {
    background-color: yellow;
}
</style>
</head>
<body>

<h2>CSS Descendant Selector</h2>

<p>The descendant selector matches all elements that are descendants of a
specified element.</p>

<div>
    <p>Paragraph 1 in the div.</p>
    <p>Paragraph 2 in the div.</p>
    <section><p>Paragraph 3 in the div.</p></section>
</div>

<p>Paragraph 4. Not in a div.</p>
<p>Paragraph 5. Not in a div.</p>

</body>
</html>
```