

# D3 Selections


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# D3 Selections

selection


```
...  
  <body>  
    <div>  
      <h1>Title</h1>  
      <button />  
      <button />  
    </div>  
  </body>  
...
```

A diagram illustrating the concept of a selection in D3.js. A blue box labeled "selection" has two arrows pointing to the two `<button />` elements within the `<div>` element of the HTML structure shown in the code block.

## D3 Selections

buttons

```
...  
  <body>  
    <div>  
      <h1>Title</h1>  
      <button />  
      <button />  
    </div>  
  </body>  
...
```

A diagram illustrating D3.js selection. A blue rectangular box on the left contains the text "buttons". Two arrows originate from the right side of this box and point to the two separate "<button />" lines within a larger code block on the right. The code block is enclosed in a thin black border and shows an HTML structure with a body, a div, an h1, and two buttons. Ellipses at the top and bottom of the code block indicate it is part of a larger document.

## API | d3.select

Syntax:

```
d3.select(selector)
```

## D3 Selection

```
d3.select("p")
```

Select the **FIRST** <p> element

## D3 Selection

```
d3.select("p").select(".main")
```

Select the **FIRST** <p> element

Select the **FIRST** element with class *main* inside <p>

## D3 Selection

```
d3.select("p")  
  .select(".main")
```

Select the **FIRST** <p> element

Select the **FIRST** element with class  
*main* inside <p>

## D3 Selection

```
let selection = d3
  .select("p")
  .select(".main")
```



## API | d3.selectAll

Syntax:

```
d3.selectAll(selector)
```

## API | d3.selectAll

Syntax:

```
d3.selectAll(selector)
```

## D3 Selection

```
let selection = d3
  .selectAll("p")
  .selectAll(".main")
```

Select **ALL** <p> elements;  
Select **ALL** elements with class *main*  
inside each <p>

# D3 Selections

`d3.select`

`d3.selectAll`