

# HTML Introduction

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# What is HTML?



# HTML

Hyper Text Markup Language

It is the standard markup language for documents designed to be displayed in a web browser.

From Wikipedia

# Markup Language

Markup language refers to a text-encoding system consisting of a set of symbols inserted in a text document to control its structure, formatting, or the relationship between its parts. — [Wikipedia](#)

- HTML
- XML
- LaTeX
- Markdown

# About Tags

## Tags in HTML

Start tag



<html>.....</html>



Eng tag

tag name



attributes

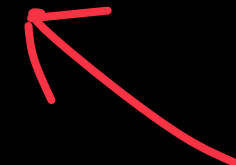


key1 = "value1"

key2 = "value2"

<div class="hello">





</div>

Single tag

# HTML Reference

## Learn how to read document...

- [W3School](#)
- [MND Web Docs](#)

### Corona 爆發前

```
#include<stdio.h>
✓ int main(){
    printf("Hello World!");
    return 0;
}
```

### Corona 爆發後

```
#include<stdio.h>
✓ int main()
{
    printf("Hello World!");
    return 0;
}
```

# HTML Structure Example



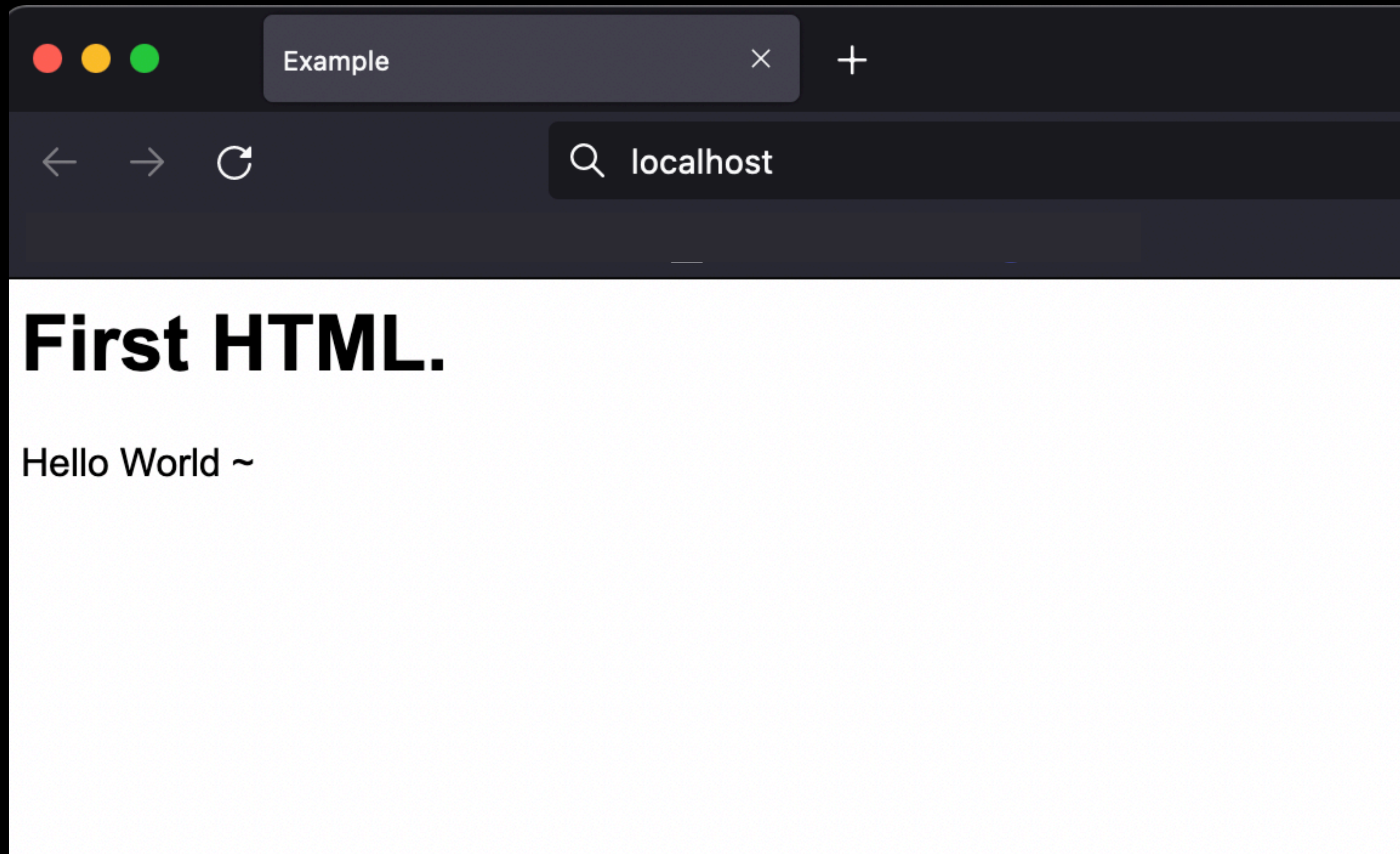


```
1  <html>
2    <head></head>
3    <body></body>
4  </html>
5
```



```
1  <html>
2    <head>
3      <title>Example</title>
4    </head>
5    <body>
6      <h1>First HTML.</h1>
7      <p>Hello World ~</p>
8    </body>
9  </html>
10
```

# Result...





# Visualization HTML Structure

<html>

<head>

<title>Page title</title>

</head>

<body>

<h1>This is a heading</h1>

<p>This is a paragraph.</p>

<p>This is another paragraph.</p>

</body>

</html>

# **<head>**

**Declare page information or import other files.**

- **<title>**
- **<link>**
- **<meta>**
- **<script>**
- **<style>**

# <title>

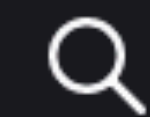
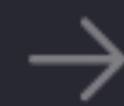
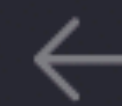
Page title



```
1 <html>
2   <head>
3     <title>Example</title>
4   </head>
5   <body>
6     <h1>First HTML.</h1>
7     <p>Hello World ~</p>
8   </body>
9 </html>
10
```



Example



localhost

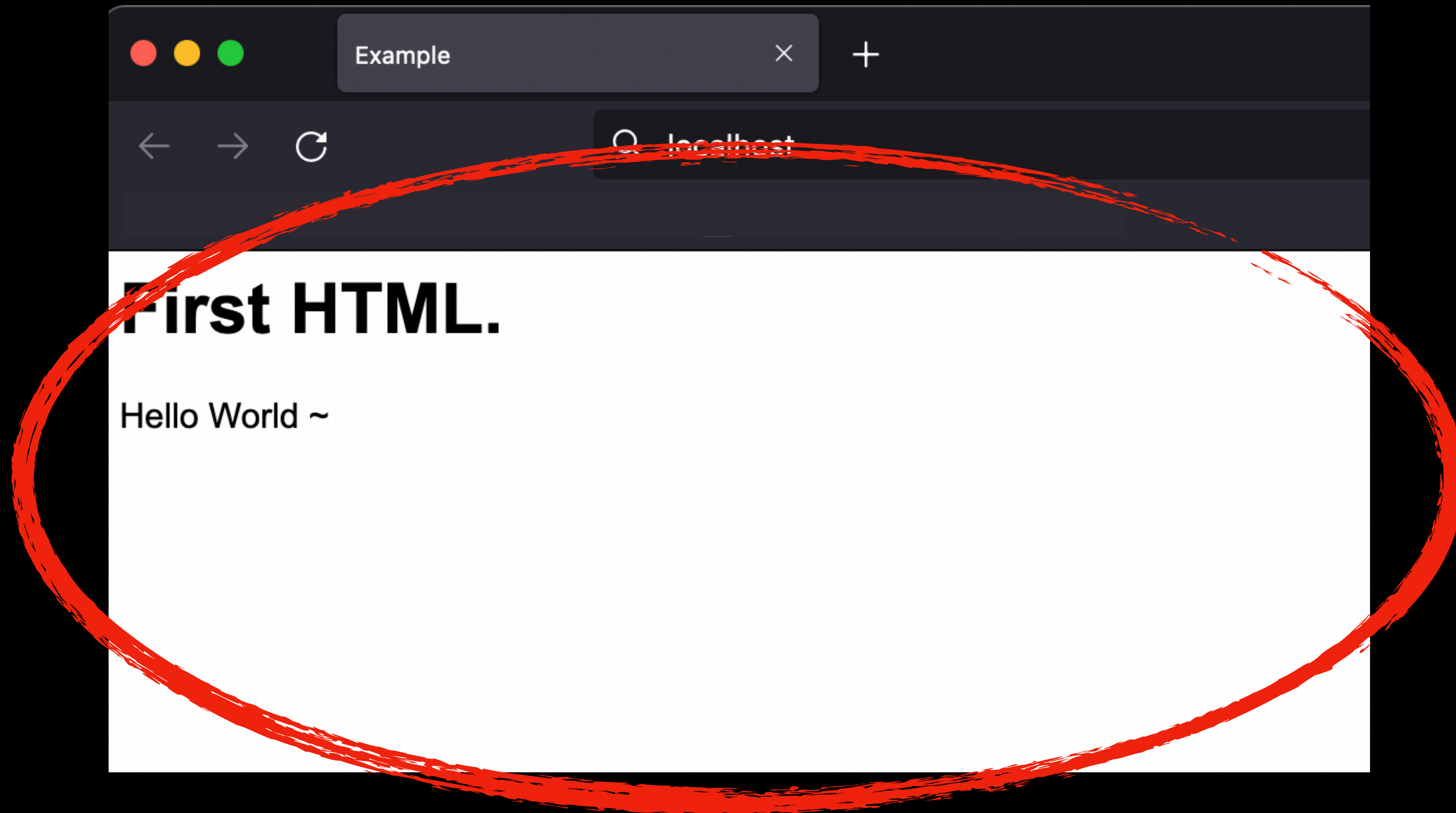
# First HTML.

Hello World ~



# <body>

## The Content of HTML.



# <h1> ~ <h6>

## Content Titles



```
1 <h1>This is h1</h1>
2 <h2>This is h2</h2>
3 <h3>This is h3</h3>
4 <h4>This is h4</h4>
5 <h5>This is h5</h5>
6 <h6>This is h6</h6>
```

# This is h1

## This is h2

### This is h3

#### This is h4

##### This is h5

###### This is h6



<p>

paragraph



```
1 <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry.</p>
```

# This is h1

Lorem Ipsum is simply dummy text of the printing and typesetting industry.

# Emphasize Text

**<b>**, **<i>**, **<small>**, **<strong>**, **<sup>**, **<sub>**, **<ins>**, **<del>**



```
1 <p>This is normal content.</p>
2 <p><b>This is "b" tag.</b></p>
3 <p><i>This is "i" tag.</i></p>
4 <p><small>This is "small" tag.</small></p>
5 <p><strong>This is "strong" tag.</strong></p>
6 <p>This is<sup>"sup"</sup>tag.</p>
7 <p>This is <sub>"sub"</sub> tag.</p>
8 <p><ins>This is "ins" tag.</ins></p>
9 <p><del>This is "del" tag.</del></p>
```

This is normal content.

**This is "b" tag.**

*This is "i" tag.*

This is "small" tag.

**This is "strong" tag.**

This is "sup" tag.

This is "sub" tag.

This is "ins" tag.

~~This is "del" tag.~~





```
1  <p>
2    This is the first line.
3    This is the second line.
4  </p>
5  <p>
6    This is the first line.
7    <br />
8    This is the second line.
9  </p>
```

This is the first line. This is the second line.

This is the first line.  
This is the second line.

# <table>, <tr>, <td>



```
1  <table border="1">
2    <tr>
3      <td>one</td>
4      <td>two</td>
5      <td>three</td>
6    </tr>
7    <tr>
8      <td>four</td>
9      <td>five</td>
10     <td>six</td>
11   </tr>
12 </table>
```

|      |      |       |
|------|------|-------|
| one  | two  | three |
| four | five | six   |

# <table> - colspan

```
1  <table border="1">
2    <tr>
3      <td colspan="2">one</td>
4      <td>three</td>
5    </tr>
6    <tr>
7      <td>four</td>
8      <td>five</td>
9      <td>six</td>
10   </tr>
11 </table>
```

|      |       |     |
|------|-------|-----|
| one  | three |     |
| four | five  | six |

# <table> - rowspan



```
1  <table border="1">
2    <tr>
3      <td rowspan="2">one</td>
4      <td>two</td>
5      <td>three</td>
6    </tr>
7    <tr>
8      <td>five</td>
9      <td>six</td>
10   </tr>
11 </table>
```

|      |     |       |
|------|-----|-------|
| one  | two | three |
| five | six |       |

# List

<ul>, <ol>, <li>

- one
- two
- three
- four

1. one
2. two
3. three
4. four

```
1  <ul>
2    <li>one</li>
3    <li>two</li>
4    <li>three</li>
5    <li>four</li>
6  </ul>
7  <ol>
8    <li>one</li>
9    <li>two</li>
10   <li>three</li>
11   <li>four</li>
12  </ol>
```



# Order List

Start



```
1 <ol start="8">
2   <li>one</li>
3   <li>two</li>
4   <li>three</li>
5   <li>four</li>
6 </ol>
```

8. one  
9. two  
10. three  
11. four

# Order List

## Type



```
1 <ol type="a">
2   <li>one</li>
3   <li>two</li>
4   <li>three</li>
5   <li>four</li>
6 </ol>
```

- a. one
- b. two
- c. three
- d. four

# Order List

## Reverse



```
1 <ol reversed>
2   <li>one</li>
3   <li>two</li>
4   <li>three</li>
5   <li>four</li>
6 </ol>
```

4. one  
3. two  
2. three  
1. four

**<img/>**  
**Image**



```
1  
```

# <a>

## Link



```
1 <a href="/demo2.html">Demo2.html</a>  
2 <a href="https://mirumo.org">Mirumo's website</a>
```

# <a>

## Target Attribute

- `_blank`: Opens the linked document in a new window or tab.
- `_self`: Opens the linked document in the same frame as it was clicked(default).
- `_parent`: Opens the linked document in the parent frame.
- `_top`: Opens the linked document in the full body of the window.



```
1 <a href="/foo.html" target="_blank">Foo</a>
```

# <div>, <span>

Block, Inline



```
1 <div>I am block element.</div>  
2 <span>I am inline element.</span>
```

# Block Element

<h1~h6>, <form>, <li>, <ol>, <ul>, <p>, <pre>, <table>, <div>

# Inline Element

<b>, <a>, <strong>, <img>, <input>, <em>, <span>



# Comment

<!-- -->



```
1  <!-- This is comment. -->
2
3  <!--
4
5      This is comment.
6
7  -->
```

Exercise: 自我介紹

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