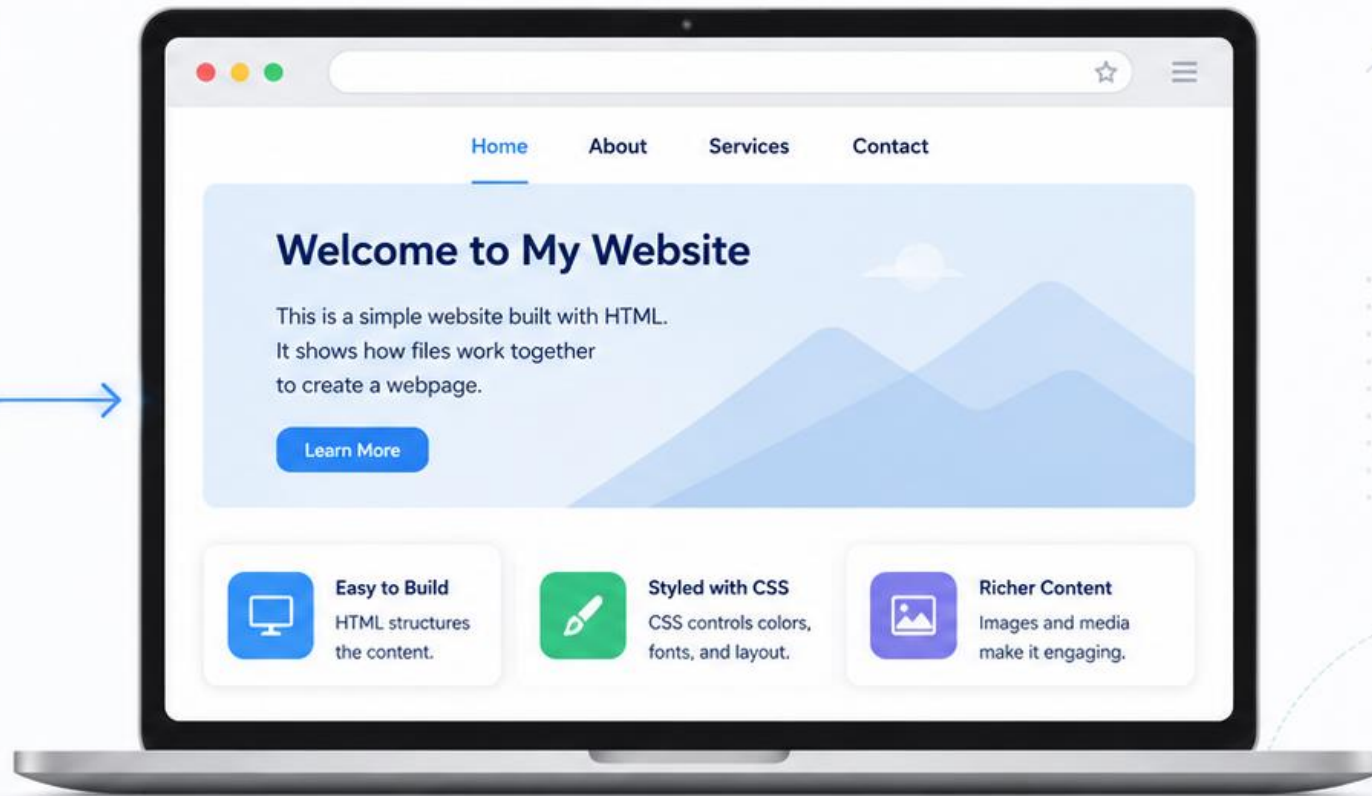
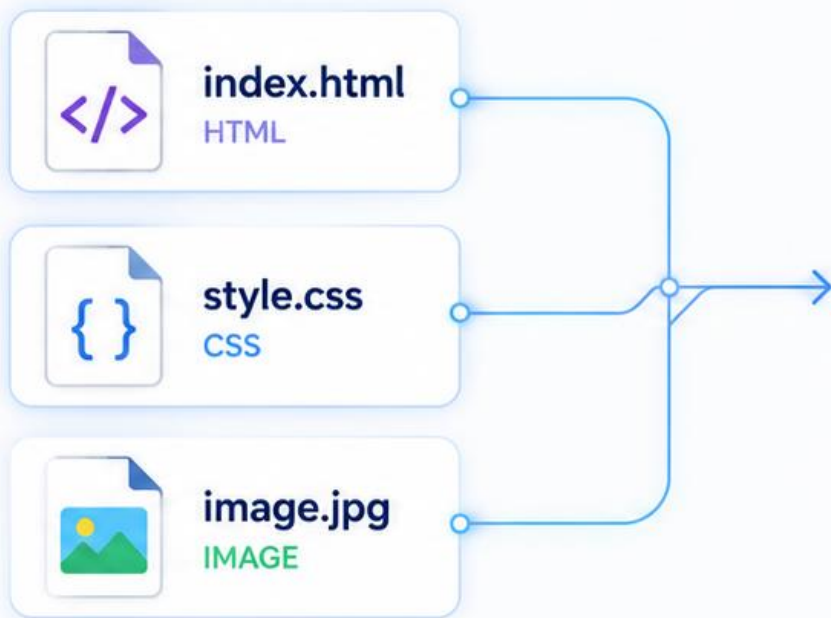


What Is a Website?

From HTML Code to Webpage



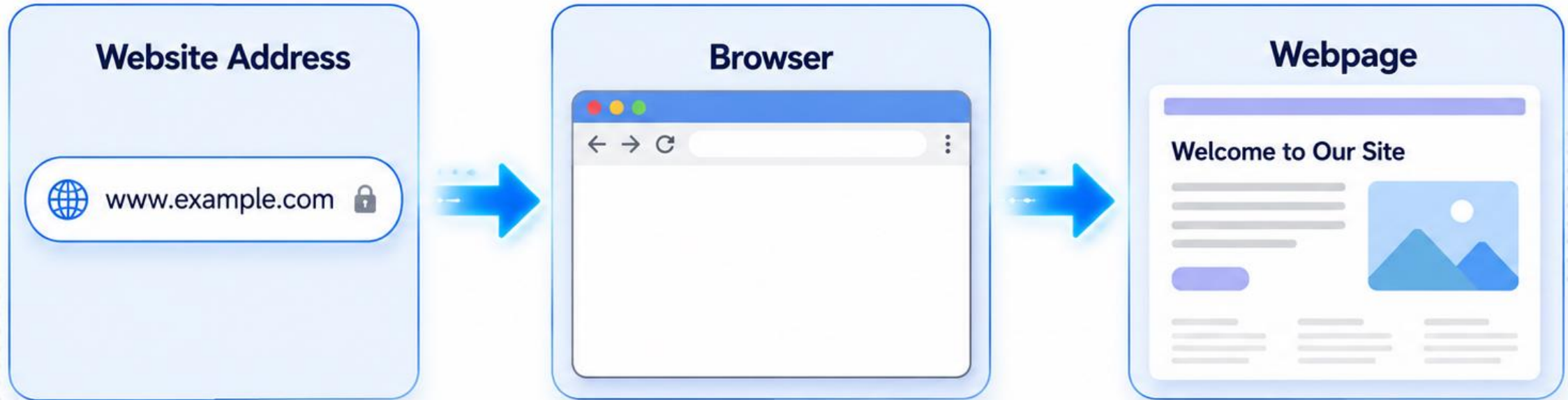
🌐 HTML • 🖥️ Browser • 📄 Webpage • 📄 index.html



เว็บไซต์สร้างจากไฟล์ที่ Browser สามารถอ่านได้

What Happens When You Open a Website?

The browser turns files into a page you can see



What is happening behind the screen?



Browser แสดงผลหน้าเว็บให้เราเห็น

Today's Learning Goals

What you should understand by the end

1



What a website and webpage are

2



What a browser does

3



What an HTML file is

4



Why we use Notepad++

5



Why index.html is important

6



How code becomes a webpage

วันนี้เราจะเรียนว่าเว็บไซต์ทำงานอย่างไร

Website vs Webpage

They are connected, but not the same



Website

Website = a collection of related webpages

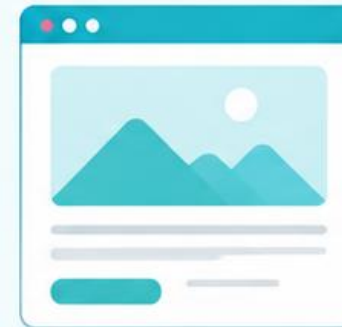
เว็บไซต์ = กลุ่มของหน้าเว็บหลายหน้า



Webpage

Webpage = one page inside a website

หน้าเว็บ = หน้าเดียวในเว็บไซต์



Example:



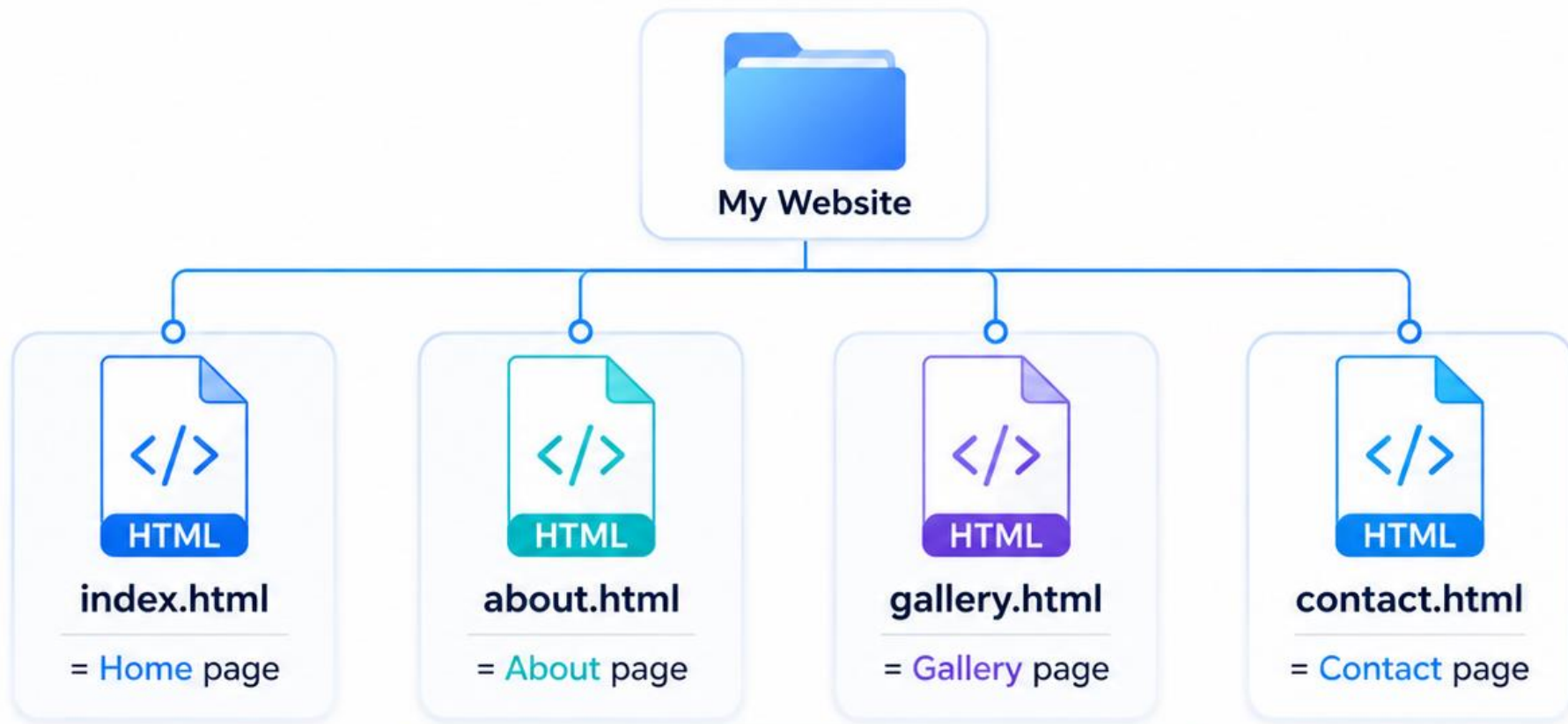
A whole site
(many pages)



One single page
(one page)

A Website Is Made of Many Pages

[Home](#) • [About](#) • [Gallery](#) • [Contact](#)



เว็บไซต์หนึ่งเว็บสามารถมีหลายหน้าเว็บได้

What Is a Browser?

The program that opens websites



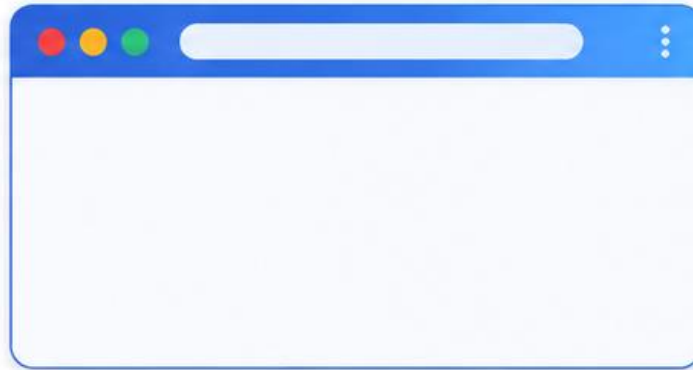
Browser = a program used to open websites

Browser = โปรแกรมเปิดเว็บไซต์



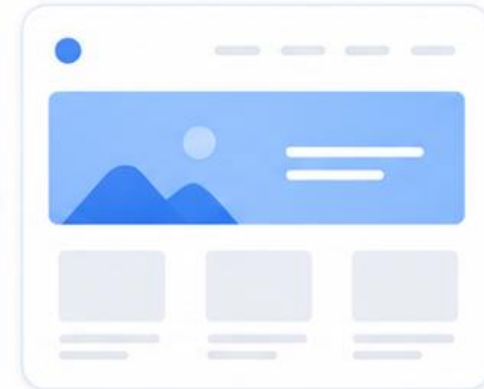
HTML file
(index.html)

The file contains code and instructions.



Browser

The program that opens the file and reads the code.



Webpage

The browser shows the result as a webpage on the screen.

Examples of Popular Browsers



Google
Chrome



Microsoft
Edge



Safari



Firefox



Key idea

Browser reads the file and shows the webpage.

What Is HTML?

The language for webpage structure



HTML is used to create the **structure** of a webpage.

HTML = ภาษาสำหรับ
สร้างโครงสร้างหน้าเว็บ

HTML can create:

- ✓ headings
- ✓ paragraphs
- ✓ images
- ✓ links
- ✓ lists
- ✓ tables
- ✓ forms



Heading



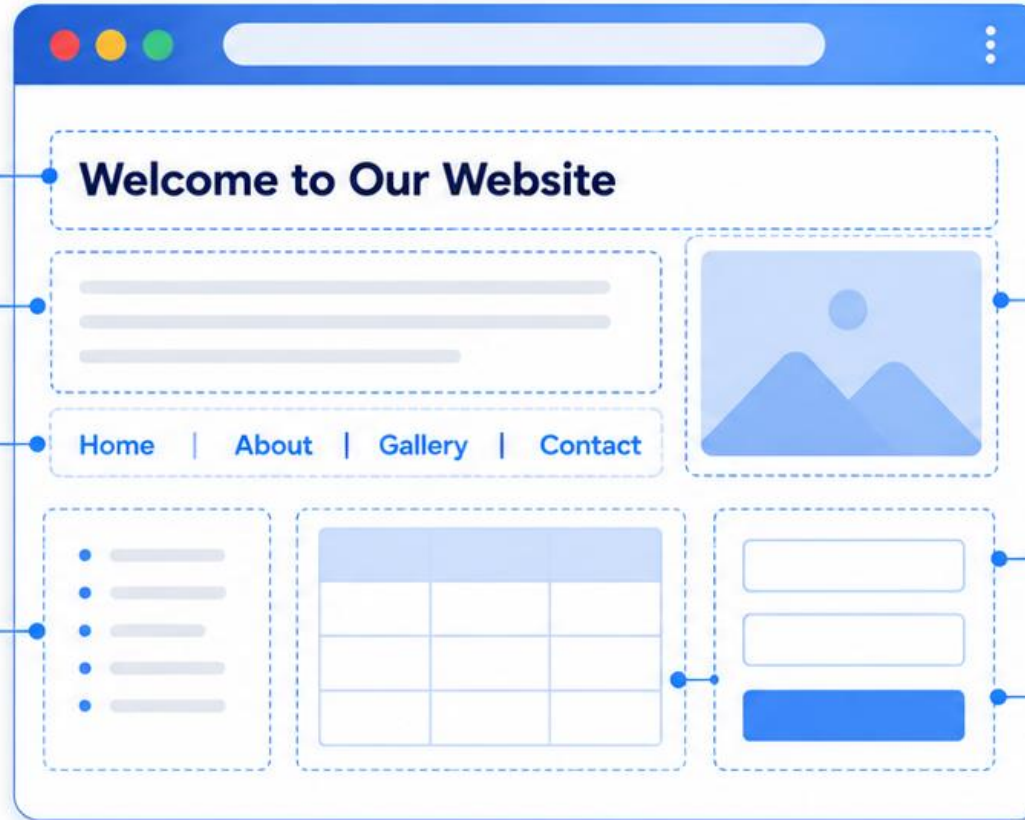
Paragraph



Link



List



Image



Table



Form



HTML tells the browser what parts exist on the page.

HTML บอก Browser ว่าในหน้าเว็บนี้มีอะไรบ้าง และควรแสดงผลอย่างไร

What Is an HTML File?

A webpage saved as a file



An HTML file:

- ✓ contains HTML code
- ✓ usually ends with **.html**
- ✓ can be opened in a browser

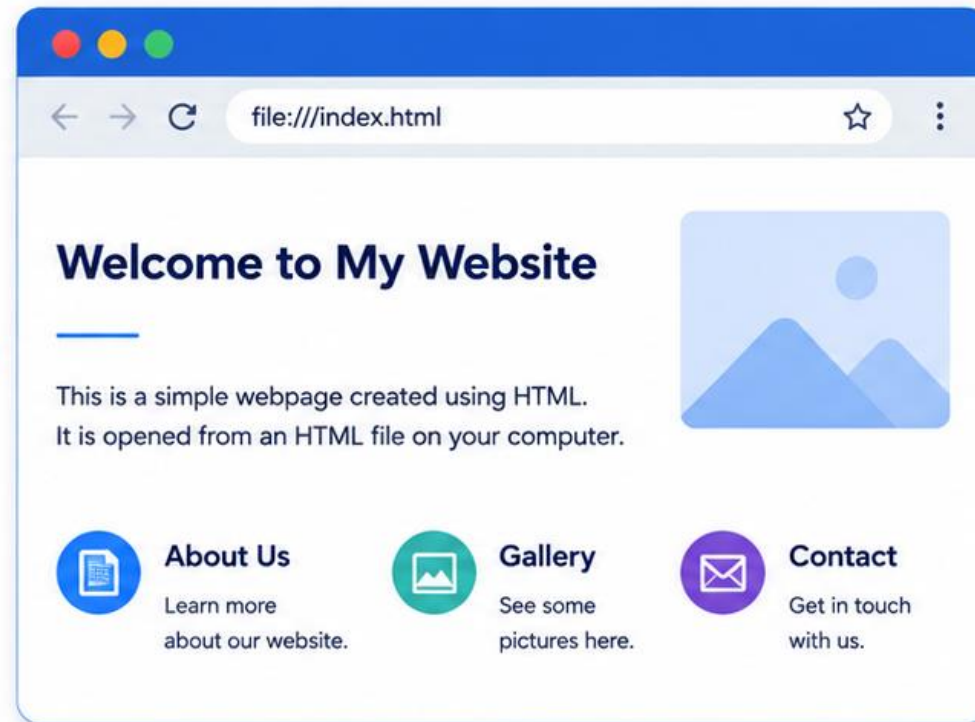


HTML file =

ไฟล์ที่เก็บโค้ดของหน้าเว็บ



index.html
(HTML File)



Examples of HTML Files



index.html
(Home page)

.....



about.html
(About page)

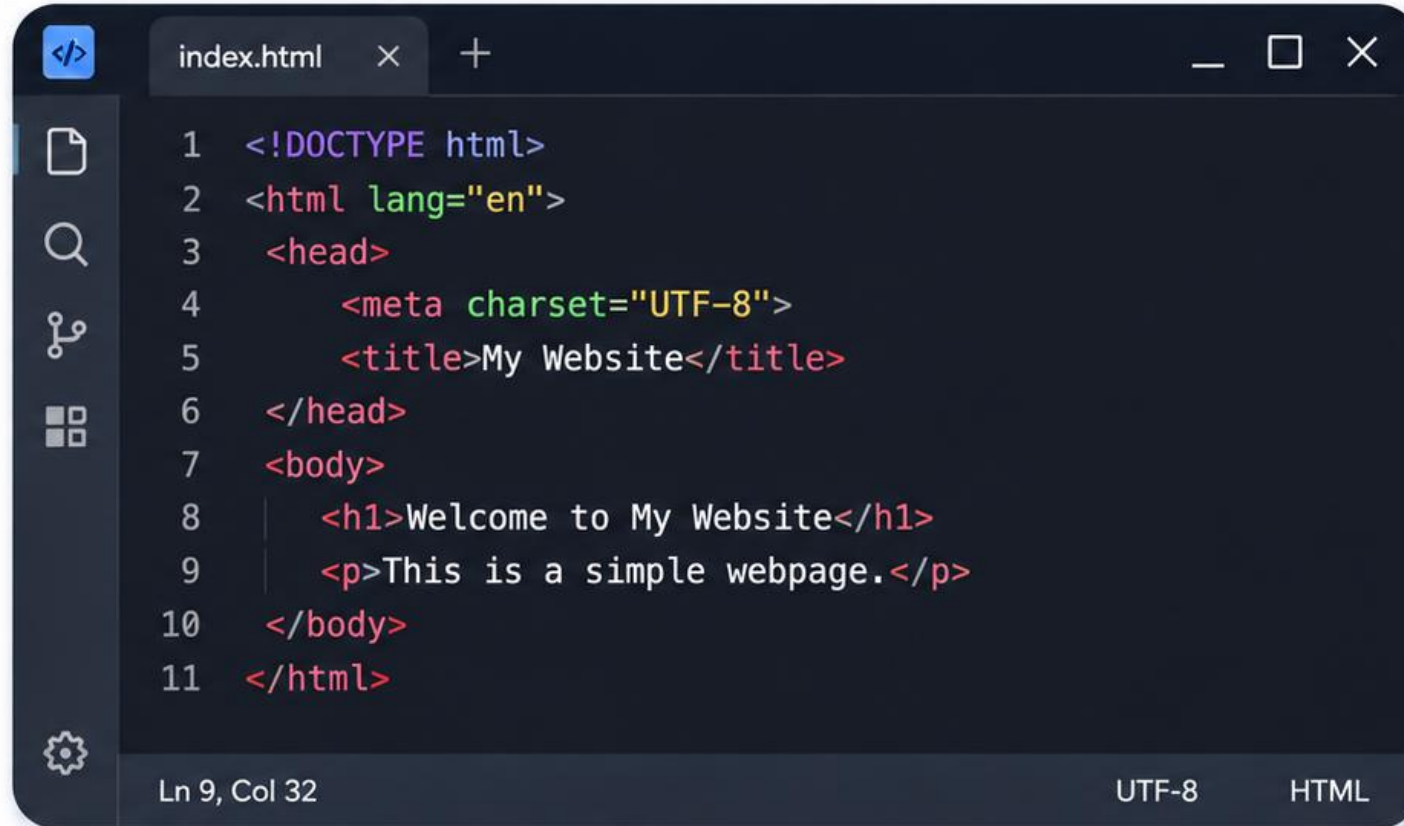
.....



contact.html
(Contact page)

What Is a Code Editor?

A program for writing code



```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <title>My Website</title>
6   </head>
7   <body>
8     <h1>Welcome to My Website</h1>
9     <p>This is a simple webpage.</p>
10  </body>
11 </html>
```



Clean typing

Helps us type code more neatly.



Line numbers

Helps us find and check code easily.



Color highlighting

Different colors help us read code clearly.



Save code files

We can save our work as code files.



A code editor helps us write and edit code.

Code Editor = โปรแกรมสำหรับเขียนโค้ด

Why Use Notepad++?

Our code editor for HTML



We use Notepad++ because it helps us:



write HTML code

Write and type HTML easily.



see code more clearly

Color highlighting and structure help us read code better.



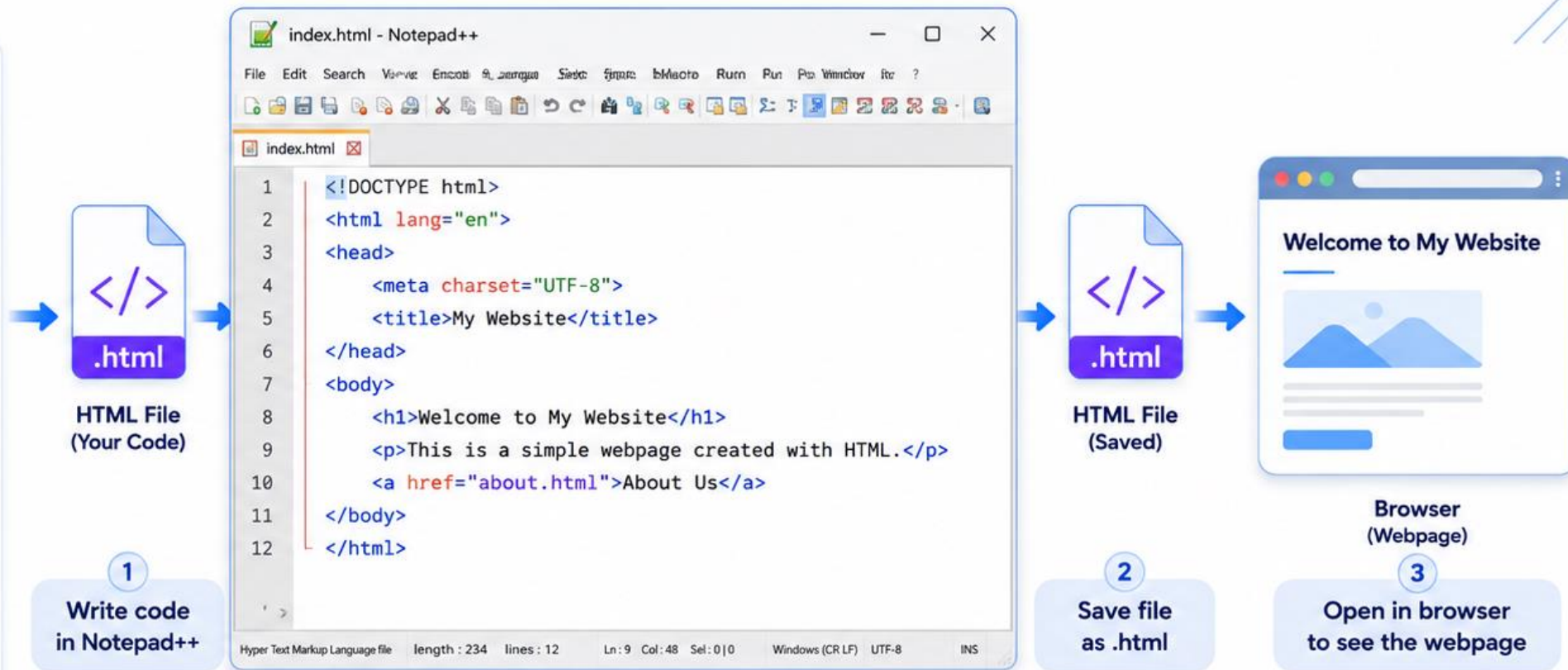
save files as .html

Save our work as .html files for webpages.



edit webpages easily

Make changes and update our webpages quickly.



Notepad++ = โปรแกรมที่ใช้เขียนและแก้ไขโค้ด

We use it to write HTML, save correctly, and open our pages in a browser.

What Is index.html?

The usual first page of a website



index.html is usually the home page of a website.

index.html มักเป็นหน้าแรกของเว็บไซต์



Simple idea:

When a browser opens a website folder, it often looks for:

index.html



My Website Folder



index.html

(Home Page)

FIRST PAGE



about.html

(About Page)



image.jpg

(Image File)

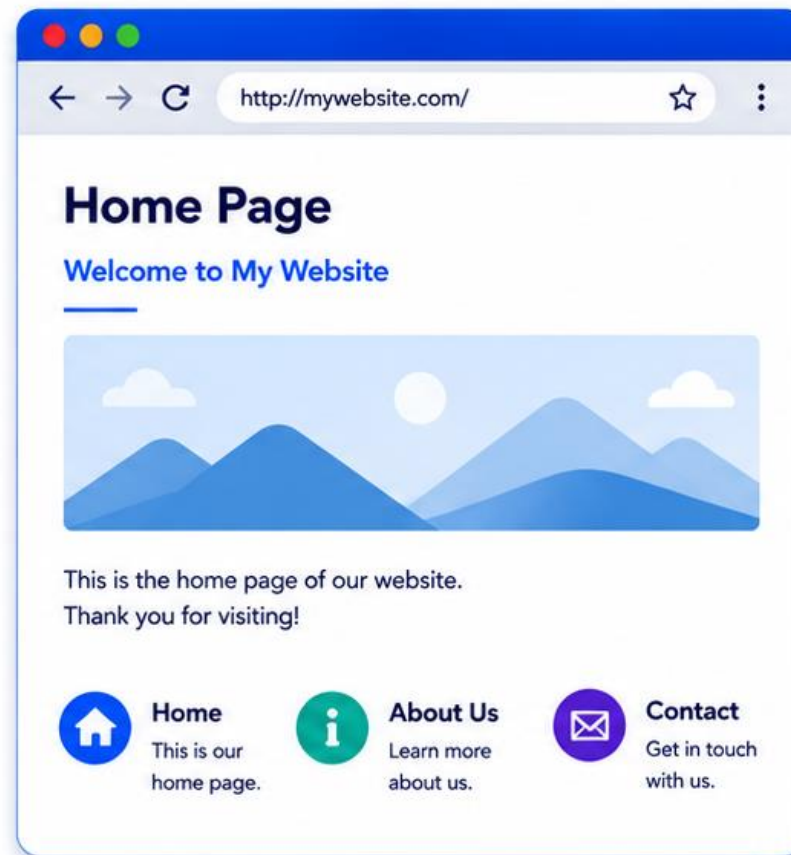


style.css

(Style Sheet)



Browser opens the folder and loads index.html



Many websites use **index.html** as the first page.

If you make a website folder, index.html is usually the home page.

Code → Browser → Webpage

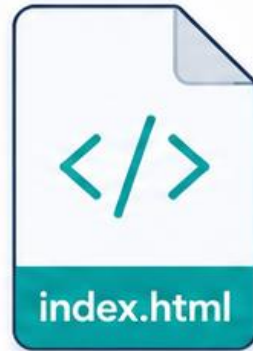
How HTML becomes something you can see

1 Write code in Notepad++

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>My Website</title>
6 </head>
7 <body>
8   <h1>Welcome!</h1>
9   <p>This is my first webpage.</p>
10 </body>
11 </html>
```

Write HTML code using Notepad++.

2 Save as index.html



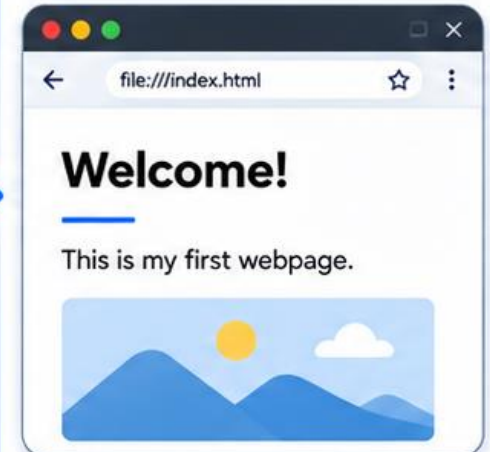
Save your code as index.html.

3 Open in browser



Open the file in your web browser.

4 See the webpage



The browser shows your webpage.



เขียนโค้ด



บันทึกไฟล์



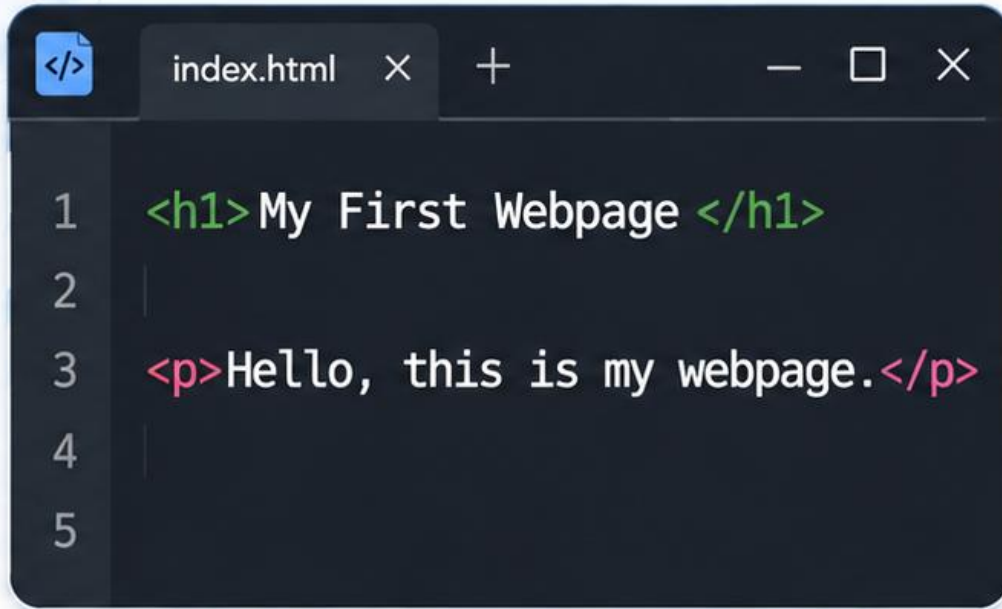
เปิดใน Browser



เห็นหน้าเว็บ

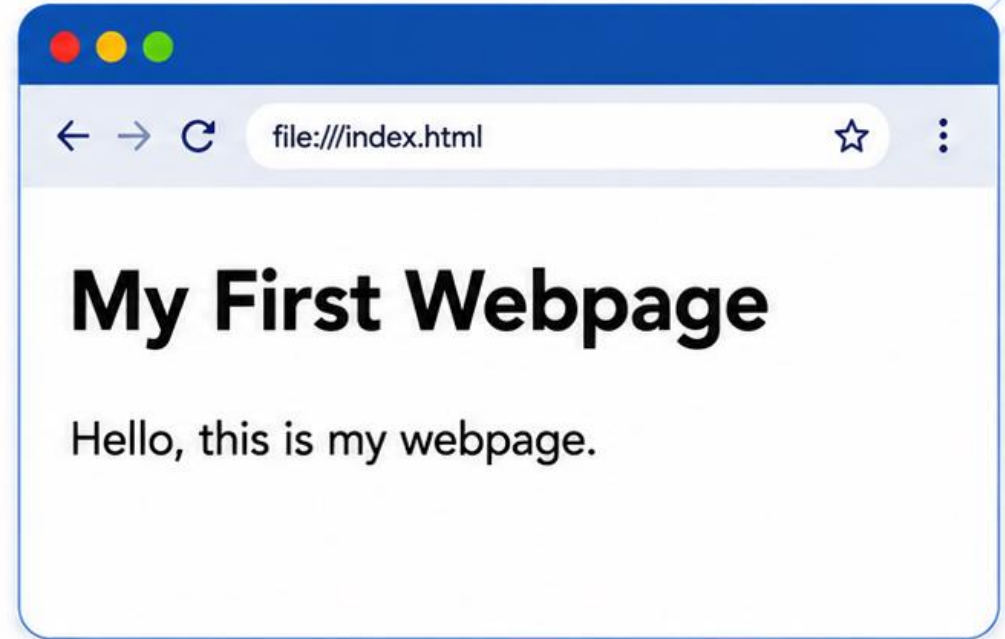
A Simple HTML Example

Code on the left, webpage on the right

A code editor window with a dark background. The title bar shows a file named 'index.html'. The code is as follows:

```
1 <h1>My First Webpage </h1>
2
3 <p>Hello, this is my webpage.</p>
4
5
```

Browser
reads code.



HTML Code

This is the code we write.



Webpage Result

This is what the browser shows.



HTML code บอก Browser ว่าจะแสดงอะไร

Website Detective

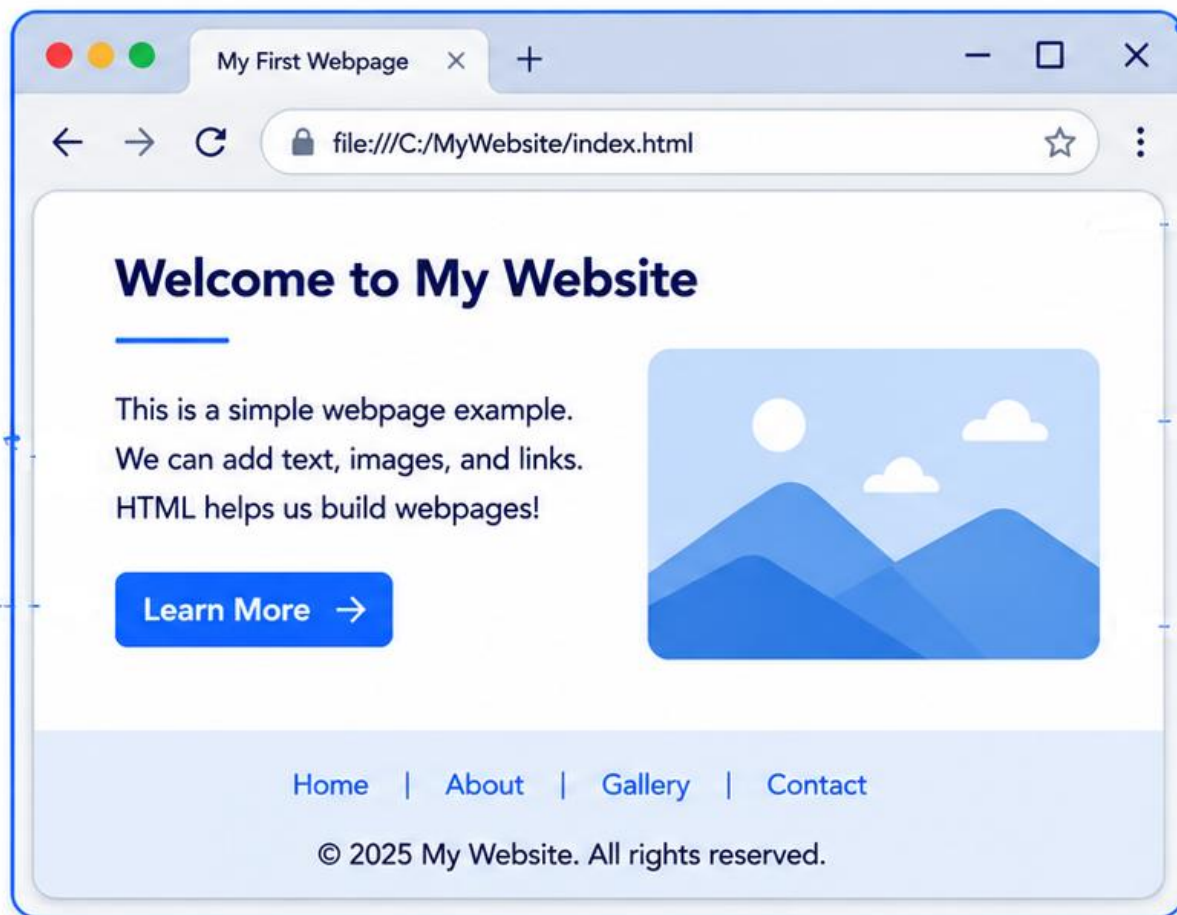
Look at a webpage like a developer

มองหน้าเว็บแบบนักพัฒนา

TASK

Look at the webpage example and find:

- 1 Browser
- 2 Webpage
- 3 Title
- 4 Image area
- 5 Link
- 6 Text
- 7 Possible HTML file



Look carefully at each part.
Think like a developer! What can HTML create?



Pair Work:
3 minutes



Quick Check

Website, Webpage, or Browser?



1. Google Chrome = _____



2. One page inside a website = _____



3. A collection of related webpages = _____



4. A file ending in .html = _____

Word Bank

Website • Webpage • Browser • HTML File



เลือกคำตอบที่ถูกต้อง

Common Beginner Mistakes

Be careful when working with website files



1 Saving as **.txt** instead of **.html**



page.txt



page.html

Save as
.html
so the browser
can open it.



2 Forgetting the file name **index.html**



MyWebsite



about.html



home.html

Browser may not
open this first.

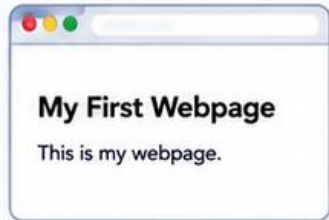


index.html

Use index.html
as the first page.



3 Opening code in the browser and expecting to edit there



Good for viewing

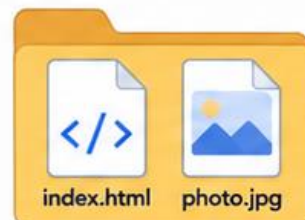


Not for editing code

You can view
webpages in the
browser, but you
cannot edit code
there.



4 Moving image files to the wrong folder



index.html

photo.jpg

MyWebsite



photo.jpg

Images

The webpage
may not find
the image.
Keep files in the
correct folder.



If your webpage does not open correctly,
check the **file name**, **file type**, and **folder** first!



ระวังการตั้งชื่อไฟล์
และตำแหน่งไฟล์

Today We Learned



Website

A website is made of webpages.



Browser

A browser opens websites.



Webpage

A webpage is one page of a website.

HTML Code

```
1 <h1>My First Webpage</h1>
2
3 <p>Hello, this is
4   my webpage.</p>
5
```

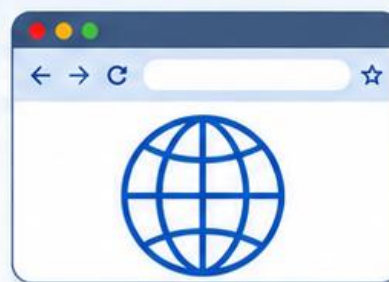
We write code using HTML tags.

HTML File



Save the code as an HTML file.

Browser



Open the HTML file in the browser.

Webpage

My First Webpage

Hello, this is my webpage.



The browser displays the webpage.



Notepad++

Notepad++ helps us write and edit code easily.



index.html

index.html is usually the home page.



HTML

HTML creates the structure of the webpage.



Code → Browser → Webpage

โค้ด → Browser → หน้าเว็บ

Exit Ticket

Answer before you leave



1. What is the difference between a website and a webpage?



2. What does a browser do?



3. What does HTML create?



4. Why is index.html important?



5. Complete the flow:
Code → _____ → Webpage



ตอบคำถามก่อนออกจากห้อง