

Topic/Title:



What is HTML?

Keywords/Questions:

Notes:

every browser takes html, javascript, cascading style sheet and they render them into a website. we can't create a website by using only JS or CSS, but HTML can.

HTML → Hyper Text Markup Language

Hyper Text can be linked to other documents in a website.

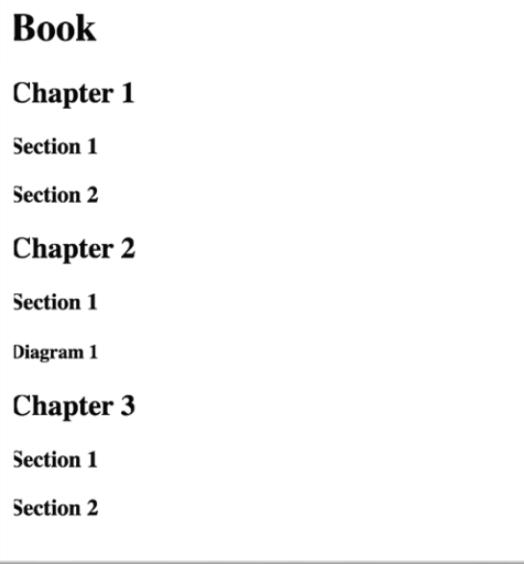
Markup → mark up [" "] in a language indicates that the part of quotes. like that html tags are used as markup here.

Summary:

The common elements of websites are HTML, CSS, JS are used to build websites. HTML are first used to build a simple website.

2.1 Heading Element

Goal of the Exercise:



Solution:

```
<h1>Book</h1>
  <h2>Chapter 1</h2>
    <h3>Section 1</h3>
    <h3>Section 2</h3>
  <h2>Chapter 2</h2>
    <h3>Section 1</h3>
      <h4>Diagram 1</h4>
  <h2>Chapter 3</h2>
    <h3>Section 1</h3>
    <h3>Section 2</h3>
```

Output:

The screenshot shows a development environment with two main windows. On the left is the VS Code interface, and on the right is a web browser window.

VS Code Explorer:

- FOLDER: FULL STACK UDEMY
- FILE: goal.png
- FILE: index.html
- FILE: my_solution.html
- FILE: solution.html
- FOLDER: notes
- FILE: 001_syllabus.pdf
- FILE: 002_rules_to_learn_code.pdf

VS Code Editor:

```
1 <h1>Book</h1>
2   <h2>Chapter 1</h2>
3     <h3>Section 1</h3>
4     <h3>Section 2</h3>
5   <h2>Chapter 2</h2>
6     <h3>Section 1</h3>
7     |   <h4>Diagram 1</h4>
8   <h2>Chapter 3</h2>
9     <h3>Section 1</h3>
10    <h3>Section 2</h3>
```

Browser Output:

The browser displays the rendered HTML structure. It shows a main heading "Book" followed by three chapters: Chapter 1, Chapter 2, and Chapter 3. Each chapter contains sections and subsections. A diagram is shown under Chapter 2, Section 1.

Reference Links for all HTML tags:

https://developer.mozilla.org/en-US/docs/Web/HTML/Element/Heading_Elements



The Heading element.

Keywords/Questions:

Notes:

Syntax : `<h1> hello world </h1>`
 ranges from `<h1>....</h6>`
`<h1>` => opening tag , ~~for~~ hello world => content,
`</h2>` => closing tag.
`<h1> hello world </h1>`
 ↓ element of html.

Example : index of a book. The ranges in heading tags are referring hierarchy.

Don't

1) don't use same level.

`<h1> hello world </h1>`

`<h1> another one </h1>`

2) don't skip level.

`<h1> title </h1>`

`<h3> subtitle </h3>`

Do

1) use ordered level

`<h1> hello world </h1>`

`<h2> another one </h2>`

2) use proper order.

`<h1> title </h1>`

`<h2> subtitle </h2>`

Summary:

Heading tags, ranges, levels.

Reference website : developer.mozilla.org.

2.2 Paragraph Element

Goal of the Exercise:

First paragraph. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Arcu cursus vitae congue mauris. In nisl nisi scelerisque eu ultrices vitae auctor eu augue. Nisi est sit amet facilisis magna. Diam sit amet nisl suscipit adipiscing bibendum est ultricies integer. Quis ipsum suspendisse ultrices gravida dictum fusce ut. Euismod elementum nisi quis eleifend. Habitant morbi tristique senectus et. Amet nisl suscipit adipiscing bibendum est ultricies integer. Viverra orci sagittis eu volutpat odio facilisis mauris sit. Nisi quis eleifend quam adipiscing. Neque convallis a cras semper auctor neque vitae. Magna fermentum iaculis eu non. Vivamus arcu felis bibendum ut tristique et. Justo nec ultrices dui sapien eget mi. In vitae turpis massa sed elementum tempus. Eu facilisis sed odio morbi quis commodo. Sagittis aliquam malesuada bibendum arcu vitae elementum curabitur vitae.

Second paragraph. Suscipit adipiscing bibendum est ultricies. Tortor aliquam nulla facilisi cras fermentum. Eget aliquet nibh praesent tristique magna. In hac habitasse platea dictumst vestibulum. Ornare quam viverra orci sagittis eu. Sit amet est placerat in. Proin fermentum leo vel orci porta non pulvinar neque laoreet. Turpis in eu mi bibendum neque egestas congue. Nam eu turpis egestas pretium aenean pharetra magna ac placerat. Ultrices sagittis orci a scelerisque purus semper eget dui at. Egestas egestas fringilla phasellus faucibus scelerisque eleifend donec pretium. Condimentum lacinia quis vel eros donec ac odio.

Third paragraph. Nisl purus in mollis nunc sed id semper risus. Ipsum a arcu cursus vitae congue mauris rhoncus aenean. Ridiculus mus mauris vitae ultricies leo integer malesuada nunc. In tellus integer feugiat scelerisque. Lectus mauris ultrices eros in cursus turpis massa. Sollicitudin ac orci phasellus egestas. Massa massa ultricies mi quis hendrerit dolor. Quam elementum pulvinar etiam non quam lacus suspendisse faucibus interdum. Iaculis nunc sed augue lacus viverra. Id ornare arcu odio ut sem nulla pharetra. Amet luctus venenatis lectus magna fringilla urna porttitor. Eu nisl nunc mi ipsum faucibus vitae aliquet nec ullamcorper. Nunc mattis enim ut tellus elementum sagittis. Mauris augue neque gravida in fermentum et sollicitudin. Pellentesque habitant morbi tristique senectus. Tristique senectus et netus et. Turpis egestas sed tempus urna et pharetra pharetra. Feugiat vivamus at augue eget arcu luctum varius dui at. Lacus sed viverra tellus in hac habitasse platea dictumst vestibulum. Nisl condimentum id venenatis a condimentum vitae sapien.

Solution:

<p>

First paragraph. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Arcu cursus vitae congue mauris. In nisl nisi scelerisque eu ultrices vitae auctor eu augue. Nisi est sit amet facilisis magna. Diam sit amet nisl suscipit adipiscing bibendum est ultricies integer. Quis ipsum suspendisse ultrices gravida dictum fusce ut. Euismod elementum nisi quis eleifend. Habitant morbi tristique senectus et. Amet nisl suscipit adipiscing bibendum est ultricies integer. Viverra orci sagittis eu volutpat odio facilisis mauris sit. Nisi quis eleifend quam adipiscing. Neque convallis a cras semper auctor neque vitae. Magna fermentum iaculis eu non. Vivamus arcu felis bibendum ut tristique et. Justo nec ultrices dui sapien eget mi. In vitae turpis massa sed elementum tempus. Eu facilisis sed odio morbi quis commodo. Sagittis aliquam malesuada bibendum arcu vitae elementum curabitur vitae.

</p>

<p>

Second paragraph. Suscipit adipiscing bibendum est ultricies. Tortor aliquam nulla facilisi cras fermentum. Eget aliquet nibh praesent tristique magna. In hac habitasse platea dictumst vestibulum. Ornare quam viverra orci sagittis eu. Sit amet est placerat in. Proin fermentum leo vel orci porta non pulvinar neque laoreet. Turpis in eu mi bibendum neque egestas congue. Enim eu turpis egestas pretium aenean pharetra magna ac placerat. Ultrices sagittis orci a scelerisque purus semper eget duis at. Egestas egestas fringilla phasellus faucibus scelerisque eleifend donec pretium. Condimentum lacinia quis vel eros donec ac odio.

</p>

<p>

Third paragraph. Nisl purus in mollis nunc sed id semper risus. Ipsum a arcu cursus vitae congue mauris rhoncus aenean. Ridiculus mus mauris vitae ultricies leo integer malesuada nunc. In tellus integer feugiat scelerisque. Lectus mauris ultrices eros in cursus turpis massa. Sollicitudin ac orci phasellus egestas. Massa massa ultricies mi quis hendrerit dolor. Quam elementum pulvinar etiam non quam lacus suspendisse faucibus interdum. Iaculis nunc sed augue lacus viverra. Id ornare

arcu odio ut sem nulla pharetra. Amet luctus venenatis lectus magna fringilla urna porttitor. Eu nisl nunc mi ipsum faucibus vitae aliquet nec ullamcorper. Nunc mattis enim ut tellus elementum sagittis. Mauris augue neque gravida in fermentum et sollicitudin. Pellentesque habitant morbi tristique senectus. Tristique senectus et netus et. Turpis egestas sed tempus urna et pharetra pharetra. Feugiat vivamus at augue eget arcu dictum varius duis at. Lacus sed viverra tellus in hac habitasse platea dictumst vestibulum. Nisl condimentum id venenatis a condimentum vitae sapien.

</p>

Output:

The screenshot shows a browser window with three tabs open. The leftmost tab is titled "goal.png" and contains a placeholder image for a file named "goal.png". The middle tab is titled "my_solution.html" and displays the source code of a web page. The rightmost tab is also titled "my_solution.html" and shows a preview of the rendered HTML content.

Content of my_solution.html (Source Code):

```
1 <p>
2 | First paragraph. Lorem ipsum dolor sit amet, consectetur adipiscing
3 | elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Arcu cursus vitae congue mauris. In nisi scelerisque eu ultrices vitae auctor eu augue. Nisi est sit amet facilisis magna. Diam sit amet nisl suscipit facilisis magna. Di...
4 | ...
5 | ...
6 | ...
7 | ...
8 | ...
9 | ...
10 | ...
11 | ...
12 | ...
13 | ...
14 | ...
15 | ...
16 | ...
17 | ...
18 | ...
19 | ...
20 | ...
21 | ...
22 | ...
23 | ...
24 | ...
25 | ...
26 | ...
27 | ...
28 | ...
29 | ...
30 | ...
31 | ...
32 | ...</p>
```

Content of my_solution.html (Preview):

First paragraph. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Arcu cursus vitae congue mauris. In nisi scelerisque eu ultrices vitae auctor eu augue. Nisi est sit amet facilisis magna. Diam sit amet nisl suscipit facilisis magna. Quis ipsum suspendisse ultrices gravida dictum fusce ut. Euismod elementum nisi quis eleifend. Habent morbi tristique senectus et. Amet nisl suscipit facilisis bibendum est ultricies integer. Viverra orci sagittis eu volutpat odio facilisis mauris sit. Nisi quis eleifend quam adipiscing. Neque convallis a cras semper auctor neque vitae. Magna fermentum iaculis eu non. Vivamus arcu felis bibendum ut tristique et. Justo nec ultrices duis sapien eget mi. In vitae turpis massa sed elementum tempus. Eu facilisis sed odio morbi quis commodo. Sagittis aliquam malesuada bibendum arcu vitae elementum curabitur vitae.

Second paragraph. Suscipit adipiscing bibendum est ultricies. Tortor cras fermentum. Eget aliquet nibh praesent tristique magna. In hac habitasse platea dictumst vestibulum. Ornare quam viverra orci sagittis eu. Sit amet est placerat in. Proin fermentum leo vel orci porttitor. Non pulvinar neque laoreet. Turpis in eu mi bibendum neque egestas congue. Enim eu turpis egestas pretium aenean semper eget duis at. Egestas egestas fringilla phasellus ac. Purus semper eget duis at. Egestas egestas fringilla phasellus ac. Eleifend donec pretium. Condimentum lacinia quis vel eros donec ac odio.

Third paragraph. Nisl purus in mollis nunc sed id semper risus. Iaculis nunc sed id semper risus. Id ornare arcu odio ut sem nulla pharetra. Aenean magna fringilla urna porttitor. Eu nisl nunc mi ipsum faucibus vel. Nunc mattis enim ut tellus elementum sagittis. Mauris augue neque sollicitudin. Pellentesque habitant morbi tristique senectus. Tristique sagittis eu volutpat odio facilisis mauris sit. Nisi quis eleifend quam lacus viverra tellus in hac habitasse platea dictumst. Turpis egestas sed tempus urna et pharetra pharetra. Feugiat viverra tellus in hac habitasse platea dictumst. Nisi condimentum id venenatis a condimentum vitae sapien.



The Paragraph Element. <p></p>, self-closing tags

Keywords/Questions:

Notes:

this element is used to format a text.

Syntax:

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

if we use ~~para~~ paragraph without tag, then we can't able to understand that where the paragraph end and begin with.

- * The elements with opening & closing tags are known as non-void tags. Eg: <h1></h1> etc.,
- * There are self-closing tags, which are known as void tags. Eg:
,
 etc.,
These tags it has no content and closing tags. also written as
,

Don't and Do's

Instead of using
 for separating two paragraphs use <p> separately.

22

Summary:

Void tag vs non-void tags. - Task / Exercise is attached below.

2.3 Void Elements

Goal of the Exercise:

William Blake

17 south molton street
London
W1K 5QT
UK

William Blake (28 November 1757 – 12 August 1827) was an English poet, painter, and printmaker. Largely unrecognised during his life, Blake is now considered a seminal figure in the history of the poetry and visual art of the Romantic Age. What he called his "prophetic works" were said by 20th-century critic Northrop Frye to form "what is in proportion to its merits the least read body of poetry in the English language".^[2] His visual artistry led 21st-century critic Jonathan Jones to proclaim him "far and away the greatest artist Britain has ever produced".^[3] In 2002, Blake was placed at number 38 in the BBC's poll of the 100 Greatest Britons.^[4] While he lived in London his entire life, except for three years spent in Felpham,^[5] he produced a diverse and symbolically rich collection of works, which embraced the imagination as "the body of God"^[6] or "human existence itself".^[7]

Although Blake was considered mad by contemporaries for his idiosyncratic views, he is held in high regard by later critics for his expressiveness and creativity, and for the philosophical and mystical undercurrents within his work. His paintings and poetry have been characterised as part of the Romantic movement and as "Pre-Romantic".^[8] In fact, he has been said to be 'a key early proponent of both Romanticism and Nationalism'.^[9] A committed Christian who was hostile to the Church of England (indeed, to almost all forms of organised religion), Blake was influenced by the ideals and ambitions of the French and American revolutions.^{[10][11]} Though later he rejected many of these political beliefs, he maintained an amiable relationship with the political activist Thomas Paine; he was also influenced by thinkers such as Emanuel Swedenborg.^[12] Despite these known influences, the singularity of Blake's work makes him difficult to classify. The 19th-century scholar William Michael Rossetti characterised him as a "glorious luminary"^[13] and "a man not forestalled by predecessors".

Solution:

```
<h1>William Blake</h1>

<p>
    17 south molton street<br>
    London<br />
    W1K 5QT<br>
    UK<br>
</p>

<hr>

<p>
    William Blake (28 November 1757 – 12 August 1827) was an English poet,
    painter, and printmaker. Largely unrecognised
    during his life, Blake is now considered a seminal figure in the history of
    the poetry and visual art of the Romantic
    Age. What he called his "prophetic works" were said by 20th-century critic
    Northrop Frye to form "what is in proportion
    to its merits the least read body of poetry in the English language".[2] His
    visual artistry led 21st-century critic
    Jonathan Jones to proclaim him "far and away the greatest artist Britain has
    ever produced".[3] In 2002, Blake was
    placed at number 38 in the BBC's poll of the 100 Greatest Britons.[4] While
    he lived in London his entire life, except
    for three years spent in Felpham,[5] he produced a diverse and symbolically
    rich collection of works, which embraced the
    imagination as "the body of God"[6] or "human existence itself".[7]

    Although Blake was considered mad by contemporaries for his idiosyncratic
    views, he is held in high regard by later
    critics for his expressiveness and creativity, and for the philosophical and
    mystical undercurrents within his work. His
    paintings and poetry have been characterised as part of the Romantic movement
    and as "Pre-Romantic".[8] In fact, he has
    been said to be "a key early proponent of both Romanticism and
    Nationalism".[9] A committed Christian who was hostile to
    the Church of England (indeed, to almost all forms of organised religion),
    Blake was influenced by the ideals and
    ambitions of the French and American revolutions.[10][11] Though later he
    rejected many of these political beliefs, he
    maintained an amiable relationship with the political activist Thomas Paine;
    he was also influenced by thinkers such as
```

Emanuel Swedenborg.[12] Despite these known influences, the singularity of Blake's work makes him difficult to classify.

The 19th-century scholar William Michael Rossetti characterised him as a "glorious luminary", [13] and "a man not

forestalled by predecessors, nor to be classed with contemporaries, nor to be replaced by known or readily surmisable successors".[14]

</p>

Output:

my_solution.html

```
<h1>William Blake</h1>
<p>
    17 south molton street<br>
    London<br />
    W1K 5QT<br>
    UK<br>
</p>
<hr>
<p>
    William Blake (28 November 1757 – 12 August 1827) was an English poet, painter, and printmaker. Largely unrecognised during his life, Blake is now considered a seminal figure in the history of the poetry and visual art of the Romantic Age. What he called his "prophetic" work consists of 200 illuminated Books and Prints, while his other works include the least read body of poetry in the English language".[2] His visual artistry led 21st-century critic Jonathan Jones to proclaim him "far and away the greatest artist Britain has ever produced".[3] In 2002, Blake was placed at number 38 in the BBC's poll of the 100 Greatest Britons.[4] While he lived in London his entire life, except for three years spent in Felpham [5] he produced a diverse and symbolically rich collection of works, which embraced the imagination "the body of God"[6] or "human existence itself".[7]
    Although Blake was considered mad by contemporaries for his idiosyncratic views, he is held in high regard by later critics for his nonconformity and for his philosophical and mystical elements within his work. His paintings and poetry have been characterised as part of the Romantic movement and as "Pre-Romantic".[8] In fact, he has been said to be "a key early proponent of both Romanticism and Nationalism".[9] A committed Christian who was hostile to the Church of England (indeed, to almost all forms of organised religion), Blake was influenced by the ideals and ambitions of the French and American revolutions.[10][11] Though later he rejected many of these political beliefs, he maintained an amiable relationship with the political activist Thomas Paine; he was also influenced by thinkers such as Emanuel Swedenborg.[12] Despite these known influences, the singular nature of Blake's work makes him difficult to classify. The 19th-century scholar William Michael Rossetti characterised him as a "glorious luminary".[13] and "a man not forestalled by predecessors".[14]
```

William Blake

17 south molton street
London
W1K 5QT
UK

William Blake (28 November 1757 – 12 August 1827) was an English poet, painter, and printmaker. Largely unrecognised during his life, Blake is now considered a seminal figure in the history of the poetry and visual art of the Romantic Age. What he called his "prophetic" work consists of 200 illuminated Books and Prints, while his other works include the least read body of poetry in the English language".[2] His visual artistry led 21st-century critic Jonathan Jones to proclaim him "far and away the greatest artist Britain has ever produced".[3] In 2002, Blake was placed at number 38 in the BBC's poll of the 100 Greatest Britons.[4] While he lived in London his entire life, except for three years spent in Felpham [5] he produced a diverse and symbolically rich collection of works, which embraced the imagination "the body of God"[6] or "human existence itself".[7]

Although Blake was considered mad by contemporaries for his idiosyncratic views, he is held in high regard by later critics for his nonconformity and for his philosophical and mystical elements within his work. His paintings and poetry have been characterised as part of the Romantic movement and as "Pre-Romantic".[8] In fact, he has been said to be "a key early proponent of both Romanticism and Nationalism".[9] A committed Christian who was hostile to the Church of England (indeed, to almost all forms of organised religion), Blake was influenced by the ideals and ambitions of the French and American revolutions.[10][11] Though later he rejected many of these political beliefs, he maintained an amiable relationship with the political activist Thomas Paine; he was also influenced by thinkers such as Emanuel Swedenborg.[12] Despite these known influences, the singular nature of Blake's work makes him difficult to classify. The 19th-century scholar William Michael Rossetti characterised him as a "glorious luminary".[13] and "a man not forestalled by predecessors".[14]

2.4 Exercise

Goal of the Exercise:

The Best Movies According to Angela

My top 3 movies of all-time.

Spirited Away

This is my favourite anime. I love the beautiful images.

Ex Machina

Really cool sci-fi movie.

Drive

Super beautiful film. Really artistic.

Solution:

```
<h1>
    The Best Movies According to Angela
</h1>

<h2>
    My top 3 movies of all-time.
</h2>

<hr>

<h3>Spirited Away</h3>

<p>This is my favorite anime. I love the beautiful images.</p>

<h3>Ex Machina</h3>

<p>Really cool sci-fi movie.</p>

<h3>Drive</h3>

<p>Super beautiful film. Really artistic.</p>
```

Output:

The screenshot displays a development environment with three windows side-by-side, illustrating the process of creating a simple web application.

- Left Window:** A code editor showing the file `goal.png`. It contains a single line of code: `course resources > 2.4 Movie Ranking Project > goal.png`.
- Middle Window:** A code editor showing the file `my_solution.html`. The code is as follows:

```
1  <h1>
2  |   The Best Movies According to Angela
3  </h1>
4
5  <h2>
6  |   My top 3 movies of all-time.
7  </h2>
8
9  <hr>
10
11 <h3>Spirited Away</h3>
12
13 <p>This is my favorite anime. I love the
14
15 <h3>Ex Machina</h3>
16
17 <p>Really cool sci-fi movie.</p>
18
19 <h3>Drive</h3>
20
21 <p>Super beautiful film. Really artistic.- Right Window: A browser window showing the rendered HTML at the URL http://127.0.0.1:3000/course resources/2.4 Movie. The page title is "The Best Movies According to Angela". The content includes an 

# title

, an 

## sub-section

, a horizontal line (<hr>), and three 

### movie titles

 each followed by a descriptive 

text

.

```

Content Summary:

- Title:** The Best Movies According to Angela
- Section:** My top 3 movies of all-time.
- Movie 1:** Spirited Away
Description: This is my favorite anime. I love the beautiful images.
- Movie 2:** Ex Machina
Description: Really cool sci-fi movie.
- Movie 3:** Drive
Description: Super beautiful film. Really artistic.