HTML Exercises

Exercise #1

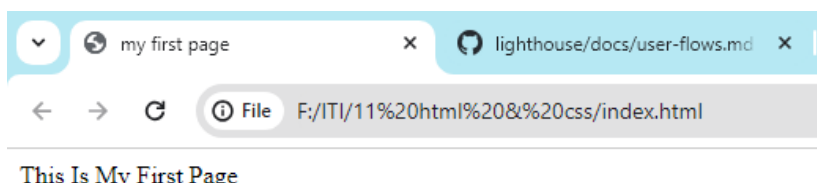**HTML** stands for **Hyper Text Markup Language**.

Exercise #2

1) Create an html page with the , , and elements.
2) Give the page a proper title of your choice (e.g., 'Page Title').
3) Provide a page description that appears in browsers (e.g., 'This is a description for my page.'). 4) Include the element where CSS code is written; leave it empty.
5) Include the element where JavaScript code is written; leave it empty.
6) Include the element responsible for linking an external CSS file.
7) Write the text "This Is My First Page" so that it appears inside the page. Exercise

```html
<!DOCTYPE html>
<html>
    <head>
        <title>my first page</title>
        <meta charset="utf-8"/>
        <meta name="description" content="This is a description for
        <meta name="author" content="ibrahim saber"/>
        <link href="style.css" rel="stylesheet"/>
        <style></style>
        <script></script>

    </head>
    <body>
        This Is My First Page |
    </body>
</html>
```

F:/ITI/11%20html%20&%20css/index.html

This Is My First Page

Exercise #3

#3 Answer the following questions with yes or no.
1) Does what is written inside the Head appear on the page or not? <mark>NO</mark>
2) Does the Title element have a closing tag or not? <mark>YES</mark>
3) Does the Meta element have a closing tag or not? <mark>NO</mark>
4) Does what is placed inside the Description in the Meta element appear on the page or not? <mark>NO</mark>

Exercise #4

Add four <meta> elements inside the page and describe each one usage using HTML comments.

```
index.html ●      Extension: file-icons

index.html >  html >  head
 1   <!DOCTYPE html>
 2   <html>
 3       <head>
 4           <title>my first page</title>
 5           <meta charset="utf-8"/>
 6               <!-- Specifies the character will be used and utf-8 gives me freedom to encode with almost all languages -->
 7           <meta name="description" content="This is a description for my page"/>
 8           <!-- Provides a description thats appears on search engines to give a shourt info about the page content -->
 9           <meta name="author" content="ibrahim saber"/>
10               <!-- provides info about author of the document and it's me ibrahim :) -->
11           <meta name="keywords" content="HTML, CSS, JavaScript">
12               <!-- Provides search engines with keywords about the page content -->
13
14
15
```
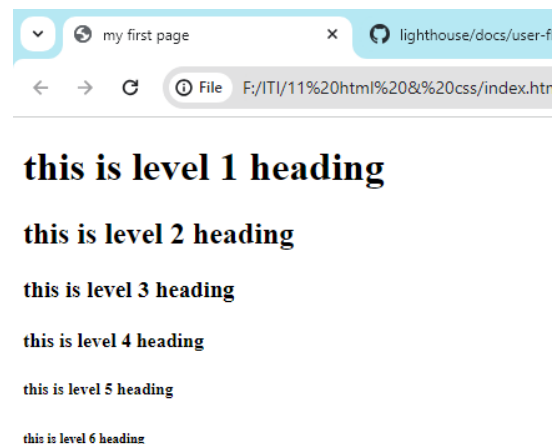
Exercise #5

1) Which line tells the browser that the version of the used HTML is the latest?
   `<!DOCTYPE html>`
2) Which rendering mode will the browser use if you don't specify the latest HTML version?
   quirks mode
3) What does the elements h1, h2, h3, h4, h5, and h6 refer to? Give an example usage.
Exercise
   They are the 6 levels of heading

```
File  Edit  Selection  View  Go  Run  ···

index.html ×
index.html > ...
 1   <!DOCTYPE
 2   <html>
 3       <head
 4           <title>my first page</title>
 5           <meta charset="utf-8"/>
 6       </head>
 7       <body>
 8           <h1>this is level 1 heading</h1>
 9           <h2>this is level 2 heading</h2>
10           <h3>this is level 3 heading</h3>
11           <h4>this is level 4 heading</h4>
12           <h5>this is level 5 heading</h5>
13           <h6>this is level 6 heading</h6>
14       </body>
15   </html>
16
17
```

The title element represents the document's title or name. Authors sho
used out of context, for example in a user's history or bookmarks, or i
heading, since the first heading does not have to stand alone when ta

MDN Reference

my first page   ×   lighthouse/docs/user-f

C   ⓘ File   F:/ITI/11%20html%20&%20css/index.htr

this is level 1 heading

this is level 2 heading

this is level 3 heading

this is level 4 heading

this is level 5 heading

this is level 6 heading

Exercise #6

- Is there a difference when displaying the following in the browser?

Yes The text "This is line 1. This is line 2." will appear on the same line .

Exercise #7

What will be the output of these lines of code?
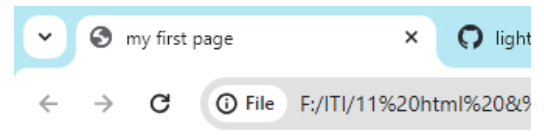**Nothing appears because both elements are hidden .**
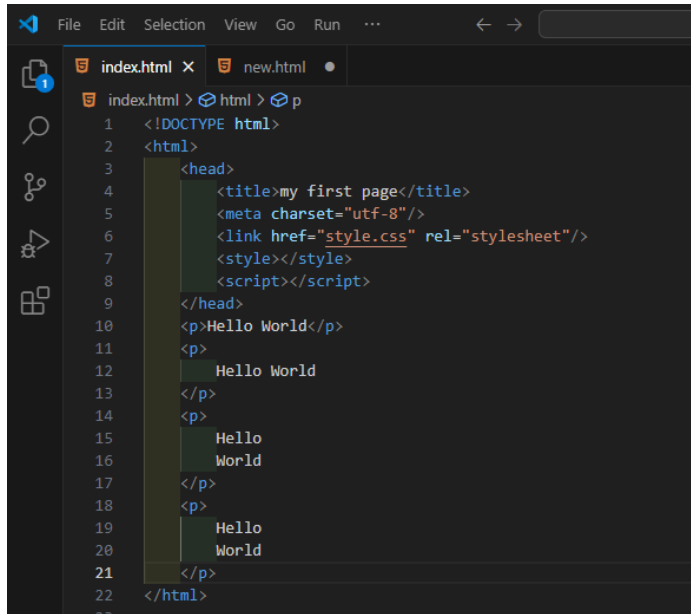
Exercise #8

Will the following appear in the same written way as it is?
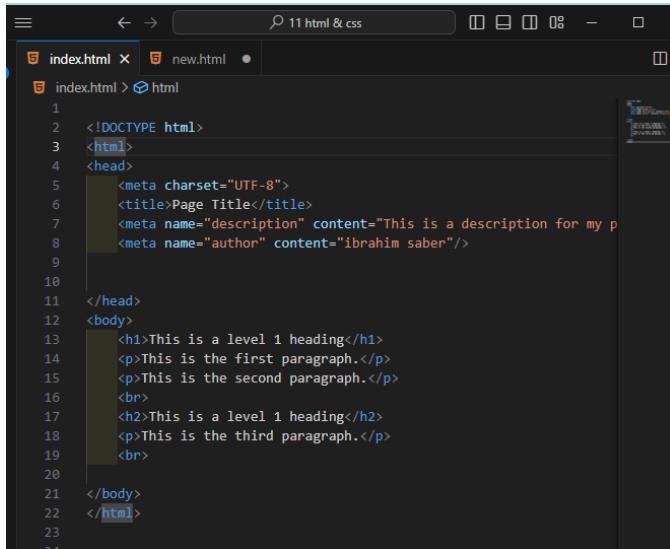**Yes they all will appear in the same shape .**

Exercise #8

Indicate whether the attribute is global or element-specific?

− title   ----------- **Global**

− href -------------- **Element-specific**

− src -------------- **Element-specific**

− hidden ------------- **Global**

− charset -------------- **Element-specific**

− class ---------------- **Global**

− id --------------------- **Global**

− type -------------- **Element-specific**

Exercise #9

• Create a page containing the html structure you learned previously.
• Give the page a title of 'Page Title'.
• Give it a proper description using the tags to make the page look similar the given preview image.

```html
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Page Title</title>
    <meta name="description" content="This is a description for my p
    <meta name="author" content="ibrahim saber"/>


</head>
<body>
    <h1>This is a level 1 heading</h1>
    <p>This is the first paragraph.</p>
    <p>This is the second paragraph.</p>
    <br>
    <h2>This is a level 1 heading</h2>
    <p>This is the third paragraph.</p>
    <br>

</body>
</html>
```
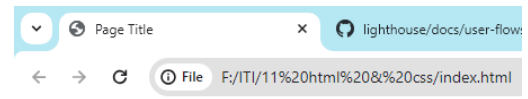
This is a level 1 heading

This is the first paragraph.

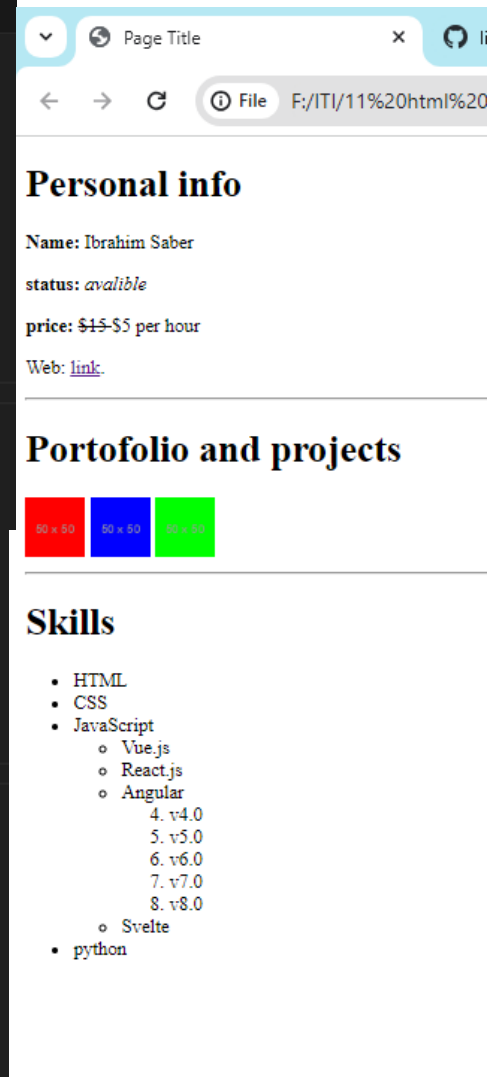This is the second paragraph.

This is a level 1 heading

This is the third paragraph.

Exercise #10

Create and design a web page that looks similar to the preview image.
• Link should open in a new other tab. • You may use any placeholder images.
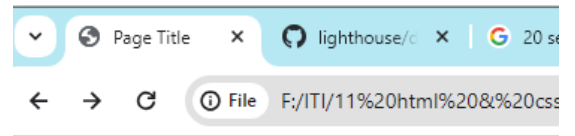− https://via.placeholder.com/50x50/F00

```html
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Page Title</title>
    <meta name="description" content="This is a description for my page.">
    <meta name="author" content="ibrahim saber"/>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <h1>Personal info</h1>
    <P><strong>Name: </strong>Ibrahim Saber</P>
    <P><strong>status: </strong><em>avalible</em></P>
    <P><strong>price: </strong><del>$15 </del>$5 per hour</P>
    <p>Web: <a href="https://example.com" target="_blank">link</a>.</p>
<hr>
<h1>Portofolio and projects</h1>
    <img src="https://via.placeholder.com/50x50/F00" alt="Red Placeholder Image">
    <img src="https://via.placeholder.com/50x50/00F" alt="Blue Placeholder Image">
    <img src="https://via.placeholder.com/50x50/0F0" alt="Green Placeholder Image">

    <hr>
    <h1>Skills</h1>
    <ul>
        <li>HTML</li>
        <li>CSS</li>
        <li>JavaScript</li>
        <ul>
            <li>Vue.js</li>
            <li>React.js</li>
            <li>Angular</li>
            <ol start="4">
                <li>v4.0</li>
                <li>v5.0</li>
                <li>v6.0</li>
                <li>v7.0</li>
                <li>v8.0</li>
            </ol>
            <li>Svelte</li>
        </ul>
        <li>python</li>
    </ul>
    </ul>
</body>
</html>
```

Preview

Personal info

Name: Ibrahim Saber

status: *avalible*

price: ~~$15~~ $5 per hour

Web: link.

Portofolio and projects

Skills

- HTML
- CSS
- JavaScript
  - Vue.js
  - React.js
  - Angular
    4. v4.0
    5. v5.0
    6. v6.0
    7. v7.0
    8. v8.0
  - Svelte
- python

Exercise #11

Using list elements create a similar design to the preview image.

Exercise #12

Using table elements create a similar design to the preview images

```html
65          </tr>
66      </thead>
67      <tbody>
68          <tr>
69              <td rowspan="5">2022</td>
70              <td rowspan="2">Heroes</td>
71              <td>HTML</td>
72              <td colspan="2">Yes</td>
73          </tr>
74          <tr>
75              <td>CSS</td>
76              <td colspan="2">Yes</td>
77          </tr>
78          <tr>
79              <td rowspan="3">Heroes</td>
80              <td>JS</td>
81              <td>Yes</td>
82              <td>No</td>
83          </tr>
84          <tr>
85              <td>PHP</td>
86              <td colspan="2">Yes</td>
87          </tr>
88          <tr>
89              <td>Python</td>
90              <td>No</td>
91              <td>No</td>
```

Exercise #13

```html
1   <!DOCTYPE html>
2   <html>
3   <head>
4       <meta charset="UTF-8">
5       <title>Audio Example</title>
6   </head>
7   <body>
8       <audio controls autoplay loop>
9           <source src="audio.mp3" type="audio/mpeg">
10          Your browser does not support the audio element.
11      </audio>
12  <hr>
13      <video controls autoplay muted poster="poster.jpg" height="150">
14          <source src="video.mp4" type="video/mp4">
15          <track kind="captions" src="captions_en.vtt" srclang="en" label="English">
16          <track kind="captions" src="captions_es.vtt" srclang="es" label="Spanish">
17          <track kind="captions" src="captions_es.vtt" srclang="es" label="Arabic">
18          Your browser does not support the video tag.
19      </video>
20  </body>
21  </html>
22
```
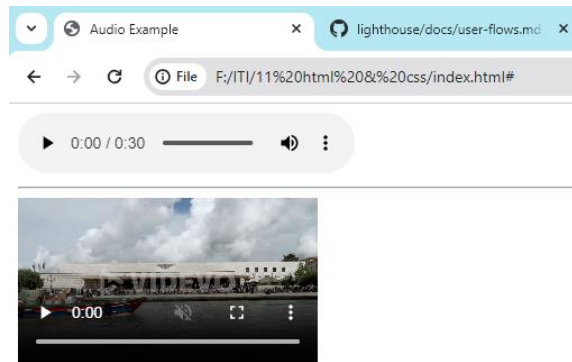
Exercise #13

```html
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
6        <title>Form Exercise</title>
7    </head>
8    <body>
9        <form action="test.py" method="post">
10           <label for="username">Username:</label>
11           <input type="text" name="username" placeholder="Enter a username" required>
12           Enter your username here.
13           <hr>
14
15           <label for="password">Password:</label>
16           <input type="password"name="password" placeholder="Enter a password.">
17           Enter a strong password.
18           <hr>
19
20           <label for="phone">Phone:</label>
21           <input type="tel" id="phone" name="phone" placeholder="Enter a phone number">
22           Enter your phone number in the format: +20100 (234) 123
23           <hr>
24
25           <label for="email">Email:</label>
26           <input type="email" id="email" name="email" placeholder="Enter email address." required>
27           Enter a valid email address.
28           <hr>
29
30           <label for="subject">Subject:</label>
31           <input type="text" id="subject" name="subject">
32           Enter the subject of your message.
```

```html
29
30           <label for="subject">Subject:</label>
31           <input type="text" id="subject" name="subject">
32           Enter the subject of your message.
33           <hr>
34
35           <label for="message">Enter your message:</label><br>
36           <textarea id="message" name="message" placeholder="Enter a proper message to us!" maxlength="2500"></textarea>
37           <hr>
38
39           <input type="hidden" name="hidden_field" value="hidden_value">
40
41           <button type="reset">Empty Form</button>
42           <button type="submit">Submit Data</button>
43       </form>
44    </body>
45    </html>
```

Username: [Enter a username] Enter your username here.

Password: [Enter a password.] Enter a strong password.

Phone: [Enter a phone number] Enter your phone number in the format: +20100 (234) 123

Email: [Enter email address.] Enter a valid email address.

Subject: [   ] Enter the subject of your message.

Enter your message:

[Enter a proper message to us!]

[Empty Form] [Submit Data]