Getting started with Code

Editor and setup to write HTML - create an html file

Tools needed - browser to run the html code.
Chrome Browser comes with Developer tools that are a powerful way to interact with your code, including debugging, inspecting and viewing changes.
https://developer.chrome.com/docs/devtools/

Online Code Editor - great to practice code without a need for download of applications
https://codepen.io/pen/

Help and Code Samples - MDN developer of Firefox has an excellent resource with code samples and browser compatibility/
https://developer.mozilla.org/en-US/docs/Web/HTML

Code Editor - write code with a code editor as it can help structure and suggest tags for code.
https://code.visualstudio.com/

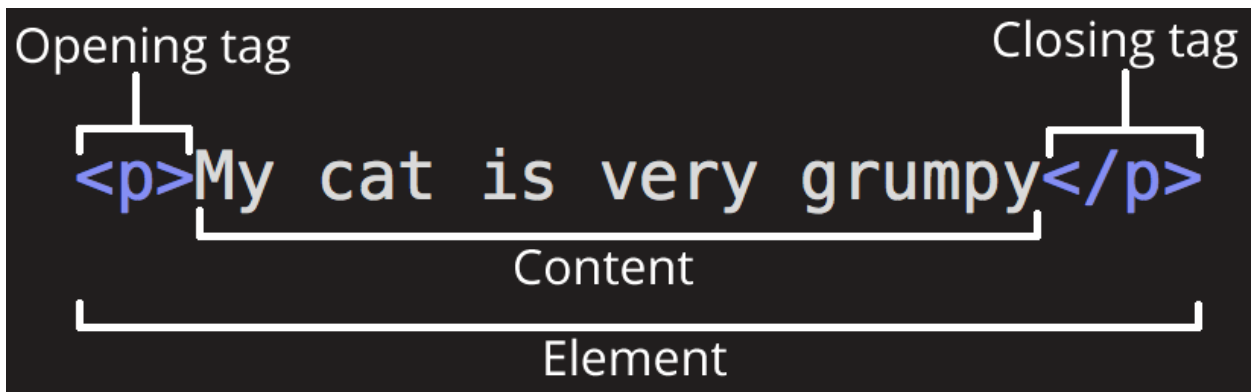# Create Your First html Page

4 must add tags for HTML pages html, head, title, body

```
<!DOCTYPE html>
<html>
 <head>
     <title>My Page</title>
 </head>
 <body>
     Hello
 </body>
</html>
```

HTML Element

Anatomy of an HTML element - opening tag, content, element, closing tag

```
<!DOCTYPE html>
<html>
  <head>
      <title>My Page</title>
  </head>
  <body>
      <div>
        <p>Hello World!</p>
        <div>Welcome to my site.</div>
        <div>Welcome to my site.</div>
        <p>My name is Laurence.</p>
      </div>
  </body>
</html>
```

Headings HTML

Comments in Code <!-- -->
Create a basic template
Introduction to common HTML tags <h1><p><div><span>

```
<!DOCTYPE html>
<html>
  <head>
      <title>My Page</title>
```

```html
 </head>
 <body>
     <div>
        <h1>Hello World!</h1>
        <div>Welcome to my site.</div>
        <div>Welcome to my site.</div>
        <p>My name is <span>Laurence</span>
<span></span>Svekis</span>.</p>
     </div>
     <h2>Heading 2</h2>
     <h4>Heading 4</h4>
     <h6>Heading 6</h6>
     <!-- Add another div here -->
     <!--
     <div>
         Content
     </div>
     -->
 </body>
</html>
```

Self Closing Tags

```html
<!DOCTYPE html>
<html>
 <head>
     <title>My Page</title>
 </head>
 <body>
     <p>
         Hello<br>World
     </p>
```

```
      <div>
          <h1>Hello World!</h1>
          <div>Welcome to my site.</div>
          <div>Welcome to my site.</div>
          <hr>
          <p>My name is <span>Laurence</span>
<span></span>Svekis</span>.</p>
      </div>
      <hr>
      <h2>Heading 2</h2>
      <h4>Heading 4</h4>
      <h6>Heading 6</h6>
      <!-- Add another div here -->
      <!--
      <div>
          Content
      </div>
      -->
  </body>
</html>
```

Element Attributes

```
<!DOCTYPE html>
<html>
  <head>
      <meta charset="utf-8">
      <title>My Page</title>
      <style>
          .blue{
              color:blue;
          }
```

```html
        .red{
            color:red;
        }
    </style>
</head>
<body>
    <p id="myID">
        Hello<br>World
    </p>
    <div>
      <h1>Hello World!</h1>
      <div style="color:blue;">Welcome to my site.</div>
      <div style="color:red">Welcome to my site.</div>
      <hr>
      <p title="My Name">My name is <span>Laurence</span>
<span></span>Svekis</span>.</p>
    </div>
    <hr>
    <h2 class="blue">Heading 2</h2>
    <h4 class="red">Heading 4</h4>
    <h6 class="green">Heading 6</h6>
    <!-- Add another div here -->
    <!--
    <div>
        Content
    </div>
    -->
</body>
</html>
```

HTML Links anchor Tag

Linking to new pages
Relative links vs Absolute
Relative is based on the current file location and absolute paths will be the full path that includes the domain and file.
Target of hyperlink is by default self which is to open the current window to the new file, target _blank opens a new window and focuses on that, but keeps the original source page for the link open as well.
Anchor tags can also be used to link to page elements by using their id added a # within the href path of the link.

```html
<!DOCTYPE html>
<html>
 <head>
     <meta charset="utf-8">
     <title>My Page</title>
 </head>
 <body>
   <div>
     <a href="#bottom">Go to bottom</a>
   </div>
     <p id="myID">
         Hello<br><a href="http://www.google.com"
target="_blank">World</a>
     </p>
     <div>
       <h1>Hello World!</h1>
       <div style="color:blue;">Welcome to my site.</div>
       <div style="color:red">Welcome to my site.</div>
       <hr>
       <p title="My Name">My name is <span>Laurence</span>
<span></span>Svekis</span>.</p>
     </div>
     <hr>
     <h2 class="blue">Heading 2</h2>
```

```
    <h4 class="red">Heading 4</h4>
    <h6 class="green">Heading 6</h6>
    <p>Got to <a href="new.html">New Page</a></p>


    <p>end Email <a
href="mailto:myemail@myemail.com">myemail@myemail.com</a></p>
    <div id="bottom">
      hello world blah blah blah.  <a href="#myID">Go to the
top element with ID of myID.</a>


    </div>
    <!-- Add another div here -->
    <!--
    <div>
        Content
    </div>
    -->
 </body>
</html>
```

Images in HTML code IMG tag

```
    <div>
      <a href="#bottom">Go to bottom</a>
      <img src="download.png" alt="HTML Logo">
      <img width="200px"
src="https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/HTML_
basics/grumpy-cat-small.png">
    </div>
```

HTML Lists UL OL DL Examples

```
    <ol type="i" start="20">
        <li>One</li>
```

```
      <li>New List
        <ol>
          <li>One</li>
          <li>Two</li>
        </ol>
      </li>
      <li>Three</li>
    </ol>
    <ul style="list-style-type:disc">
      <li>One</li>
      <li>Two</li>
      <li>Three</li>
    </ul>
    <dl>
      <dt>Main 1</dt>
      <dd>-One</dd>
      <dd>-Two</dd>
      <dt>Main 2</dt>
      <dd>-One</dd>
      <dd>-Two</dd>
    </dl>
  </div>
```

HTML Table

```
<!DOCTYPE html>
<html>
 <head>
    <meta charset="utf-8">
    <title>My Page</title>
    <style>
```

```
      table, th, td{
        border:1px solid black;
        border-collapse:collapse;
        padding:5px;
      }
    </style>
</head>
<body>
  <table>
    <colgroup>
      <col span="2">
      <col span="1" style="background-color: red;">
    </colgroup>
    <tr>
      <th>Name</th>
      <th>Chapter 1</th>
      <th>Chapter 2</th>
      <th>Chapter 3</th>
      <th>Chapter 4</th>
    </tr>
    <tr>
      <td>Laurence</td>
      <td>x</td>
      <td> </td>
      <td>x</td>
      <td> </td>
    </tr>
    <tr>
      <td>John</td>
      <td>x</td>
      <td>x</td>
      <td> </td>
```

```
        <td> </td>
      </tr>
      <tr>
        <td>Anne</td>
        <td></td>
        <td>x</td>
        <td> </td>
        <td> </td>
      </tr>
    </table>
```

Semantic Elements

```
<!DOCTYPE html>
<html>
 <head><title>My Website</title></head>
 <body>
   <header class="header">Header</header>
   <nav class="navbar">Nav</nav>
   <section class="content">
     <section>Main</section>
     <aside>Side Bar Content</aside>
     <article>More details</article>
   </section>
   <footer class="footer">Footer</footer>
 </body>
</html>
```

WebPage HTML

```
<!DOCTYPE html>
```

```html
<html>
 <head><title>Laurence Svekis Resume</title>
 <style>
   .footer{
     text-align:center;
     padding:10px;
     background-color:#ddd;
   }
   table{
     width:100%;
     border:1px solid black;
   }
   dt{
     font-weight:bold;
     font-size:1.2em;
   }
   section{
     padding:10px;
     border:1px solid black;
     margin:10px;
   }
 </style>
 </head>
 <body>
   <header class="header"><h1>Laurence Svekis
Resume</h1></header>
   <nav class="navbar">
     <ul>
       <li><a href="#Exp">Experience</a></li>
       <li><a href="#Edu">Education</a></li>
       <li><a href="#Int">Interests</a></li>
       <li><a href="#Ski">Skills</a></li>
```

```html
    <li><a href="#Con">Contact</a></li>
  </ul>
</nav>
<article><p>
  Welcome to my website, hope you enjoy it.
</p>
  <hr>
<p>My name is Laurence Svekis</p>
<img
src="https://media-exp1.licdn.com/dms/image/C4E03AQEAtQ9VQ0Z7rA/
profile-displayphoto-shrink_200_200/0/1632867219913?e=1639612800
&v=beta&t=_B4leYocoUhtPWxzpUx5rcrhOTU4suzGe5CuVXR-IE8">
</article>
<section id="Exp">
  <h2>Expereince</h2>
  <table>
    <colgroup>
      <col span="1" style="background-color: #ddd;">
    </colgroup>
    <tr><th>Company</th>
      <th>Details</th>
      <th>Years</th>
    </tr>
    <tr>
      <td>Discoveryvip</td>
      <td>Created Courses</td>
      <td>2002 - 2021</td>
    </tr>
    <tr>
      <td>Basescripts</td>
      <td>Online Elearning</td>
      <td>2010 - 2015</td>
```

```
      </tr>
      <tr>
        <td>Discoveryvip</td>
        <td>Created Courses</td>
        <td>2002 - 2021</td>
      </tr>
    </table>
</section>
<section id="Edu">
    <h2>Education</h2>
    <dl>
        <dt>My University</dt>
        <dd>MBA</dd>
        <dt>Degree</dt>
        <dd>Computer Science</dd>
    </dl>
</section>
<section id="Int">
    <h2>Interests</h2>
    <ul>
        <li>Computers</li>
        <li>Skiing</li>
        <li>Swimming</li>
    </ul>
</section>
<section id="Ski">
    <h2>Skills</h2>
    <ol>
        <li>CSS</li>
        <li>HTML</li>
        <li>JavaScript
            <ul>
```
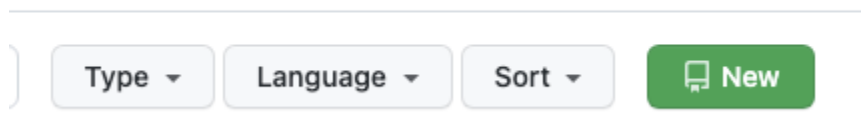
```
        <li>DOM</li>
        <li>Node</li>
        <li>Google Apps Script</li>
      </ul>
    </li>
  </ol>
</section>
<section id="Con">
  <h2>Contact Me</h2>
  <p>
    Contact me at my email <a
href="mailto:laurenceSvekis@myemail.com">My Email Address</a>
  </p>
</section>
<footer class="footer">Copyright (c) 2022 Laurence Svekis
Content please contact me to find out more.</footer>
 </body>
</html>
```

HTML online Create a GitHub Page

1 - Sign into your Github account https://github.com/
2 - View your repositories
3 - Select the NEW button in the top right

    1.
4 - Fill Out the REPO details

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?

Owner *   Repository name *

🌐 discoveryvip2 ▾ / [   ]

Great repository names are short and memorable. Need inspiration? How about **fantastic-octo-computing-machine**?

Description (optional)

[   ]

⦿ 📖 **Public**
Anyone on the internet can see this repository. You choose who can commit.

○ 🔒 **Private**
You choose who can see and commit to this repository.
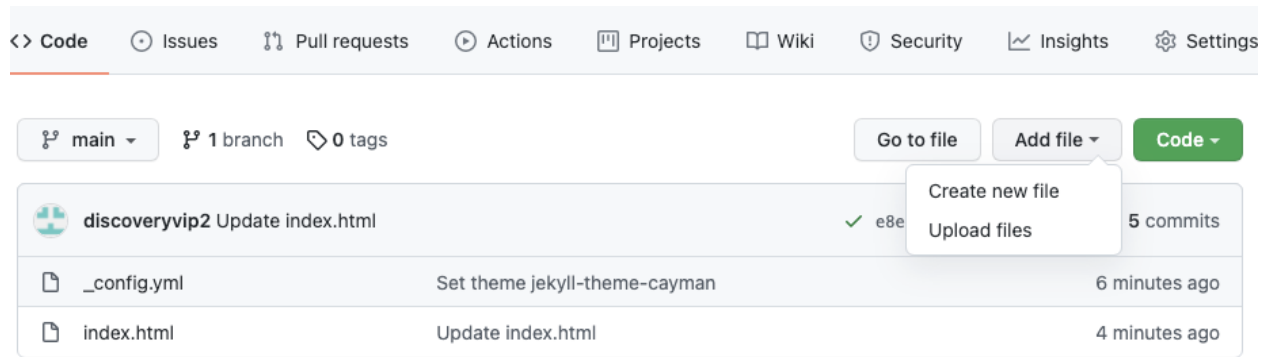
Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ **Add a README file**
This is where you can write a long description for your project. Learn more.

☐ **Add .gitignore**
Choose which files not to track from a list of templates. Learn more.

☐ **Choose a license**
A license tells others what they can and can't do with your code. Learn more.
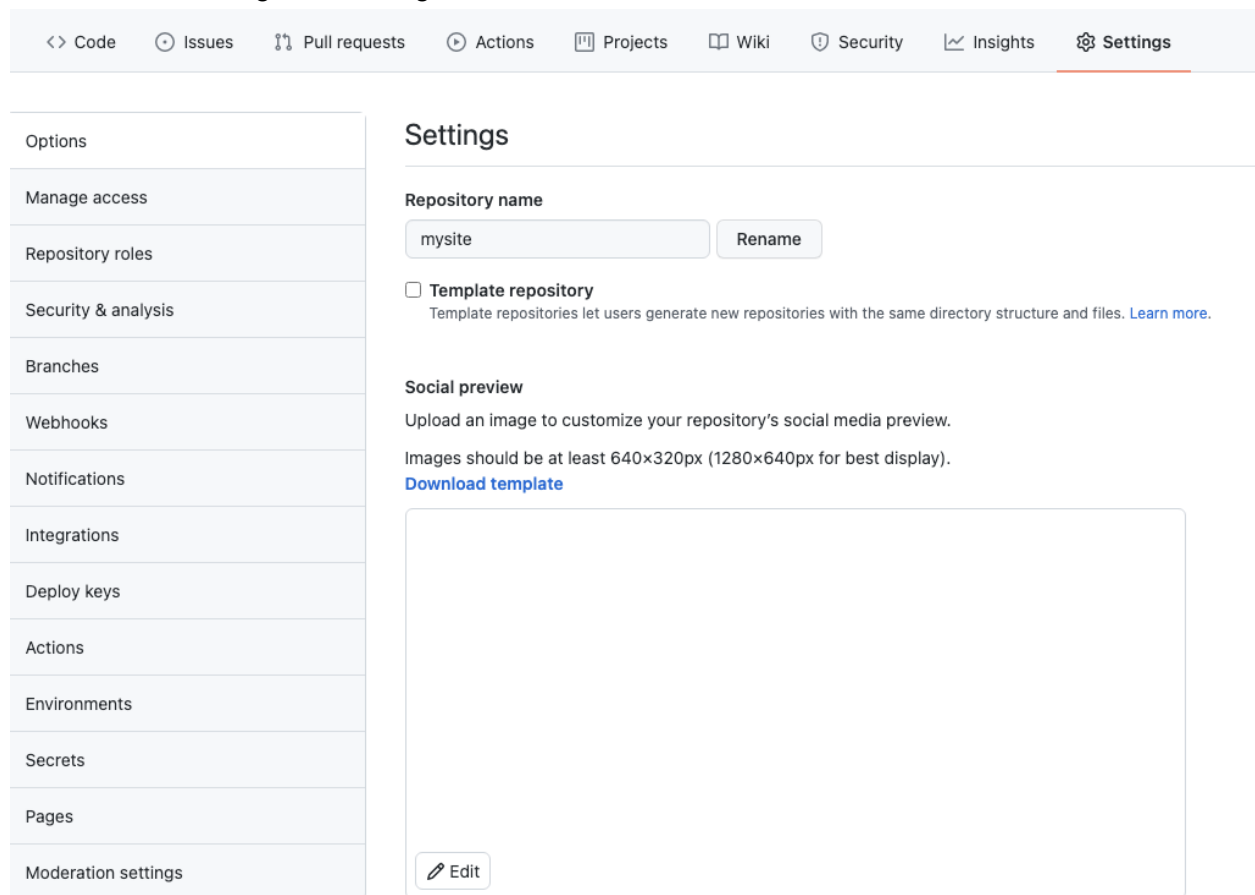
[Create repository]

5 - Create the repository
6 - Open the repository and select the create new file

7 - Copy and Paste your HTMl code into the editor and new the file index.html

8 - Under the settings select Pages

Features

9 - enable the github page and view the page at the web URL