# Nesting

Nesting means placing one element (or certain other code bits) inside of another, like Russian nesting dolls.
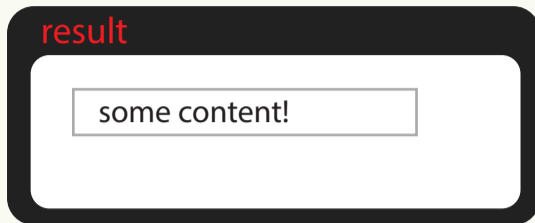
For example, imagine a div element - basically an empty box.
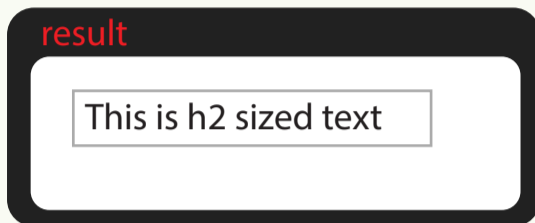
- `<div> </div>`

You could just throw some text in it:

- ```
  <div>
       some content!
  </div>
  ```

**result**

> some content!

*grey outline represents the div

Or you could put whole other elements into it. (Notice how the h2 element exists completely inside of the div element - like one doll inside another.)

- ```
  <div>
     <h2>
          This is h2 sized text
     </h2>
  </div>
  ```

**result**

> This is h2 sized text

*grey outline represents the div

Don't stop there. You can put other elements into the same div - stacked on top of each other (we added an image of a beetle that we have in our images folder)

- ```
  <div>
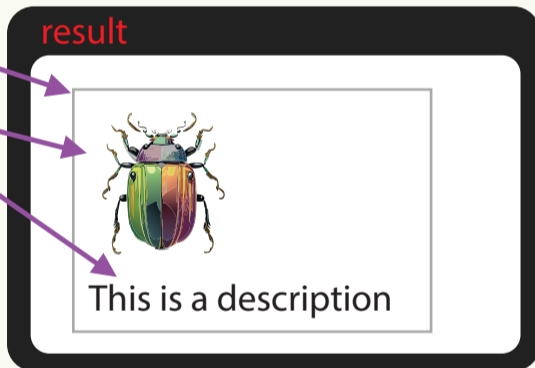      <img src="images/beetle.jpg" />
     <h2>
          This is a description
     </h2>
  </div>
  ```

**result**

> This is a description

Notice how the elements appear on the screen the same way they are typed in your code:

The picture and text are both inside the div

- ```
  <div>
      <img src="images/beetle.jpg" />
     <h2>
          This is a description
     </h2>
  </div>
  ```

The picture is on top, and the text is on the bottom.

**result**

> This is a description

Things can be nested many layers deep, and the positioning affects how things act. Let's try it with an anchor (link) tag. Keep your eye on the pink boxes:

Wrapping the whole div makes the entire group a link

- ```
  <a href="site.com">
      <div>
          <img src="images/beetle.jpg" />
         <h2>
              This is a description
         </h2>
      </div>
  </a>
  ```

**result**

> This is a description

Wrapping only the image a makes the image a link

- ```
  <div>
      <a href="site.com">
          <img src="images/beetle.jpg" />
      </a>
     <h2>
          This is a description
     </h2>
  </div>
  ```

**result**

> This is a description

Wrapping only the h2 element makes the text a link

- ```
  <div>
      <img src="images/beetle.jpg" />
      <a href="site.com">
         <h2>
              This is a description
         </h2>
      </a>
  </div>
  ```

**result**

> This is a description