

Enriching Web Pages: Adding Images

In this lesson, we will learn how to add images to our webpage.
Let's begin!

WE'LL COVER THE FOLLOWING



- EXERCISE 2-16: Adding images to a web page
 - Step 1:
 - Step 2:
 - Step 3:
 - Step 4:
- Complete implementation below!

"A picture is worth a thousand words"- says the truism

The above is especially true for web pages. HTML provides the `` tag to display images in your pages. The `src` attribute of `` describes the URL, relative to the current page ,where the picture can be loaded from.

For example, if you have two image files named `picture1.png` and `picture2.jpg` stored in the `content\images` folder, and your document is in the root web folder, you can use the following markup to display them:

```

```

```

```

Image files should be in a format supported by your browser; otherwise, they

would not be shown. If an image cannot be displayed, the browser generally displays a placeholder. With the `alt` attribute, you can specify an alternate text for the image to be displayed in the placeholder.

Let's assume your image is defined like this:

```

```

If your browser cannot download the `boat.png` image, it will display a placeholder with the alternate text, as shown in the image below:

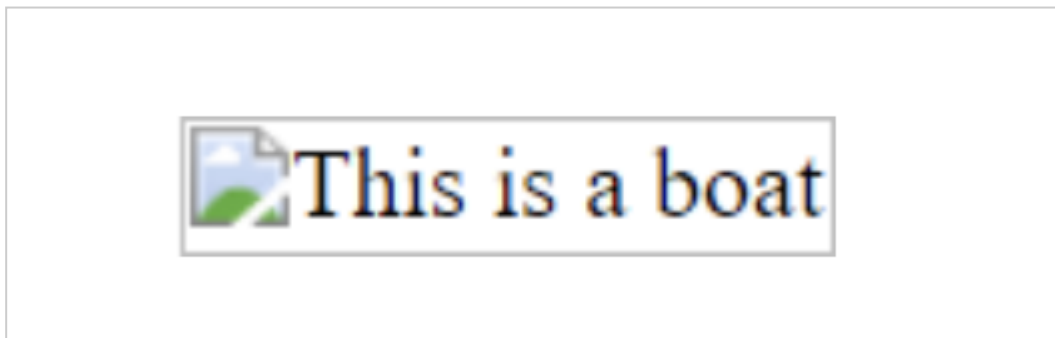



Image placeholder in Chrome

You can explicitly set the size of the image with the `width` and `height` attributes specified in pixels, and the picture will be stretched to the specified size.

In the upcoming exercise you will add existing pictures to a web page. To save time, you will start from a prepared project that can be found in the **Exercise-02-16-Begin folder**  given below:


EXERCISE 2-16: Adding images to a web page

```
<body>
  <p>
    Hey dude, I'd taken these pictures during
    my San Francisco trip, while I was there for
    the BUILD 2013 conference!
  </p>
  <h2>#1: On the way, over Greenland</h2>
  <!-- Put OverGreenland.jpg here -->

  <p>
    Can you see the signs of global climate change?
  </p>
  <h2>#2: I arrived to SFO in the evening</h2>
  <!-- Put drop ArrivingAtSFO.jpg here -->
```

```
<p>
  I really liked the style of this building.

</p>
</body>
```

The prepared project above contains an `index.html` file and several `.jpg` files in the Images folder. Don't worry if you can't view the Images folder, it is placed in the backend for efficiency purposes and the folder  contents are shown below:

```
-Images
--ArrivingAtSFO.jpg
--FunnyPark.jpg
--LongPier.jpg
--OverGreenland.jpg
--SteepStreet.jpg
--Submarine.jpg
```

To decorate the webpage with images, follow these steps:

Step 1:

Open the **index.html** file. Its body section looks like this, and contains two placeholder comments:

 index.html

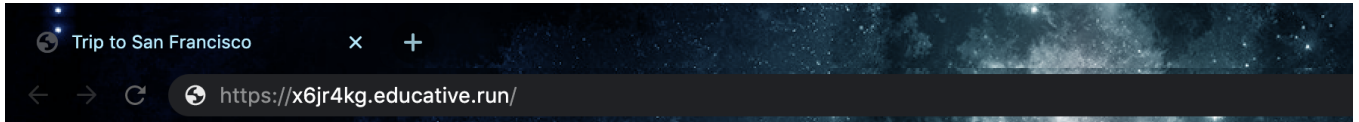
```
<body>
  <p>
    Hey dude, I'd taken these pictures during
    my San Francisco trip, while I was there for
    the BUILD 2013 conference!
  </p>
  <h2>#1: On the way, over Greenland</h2>
  <!-- Put OverGreenland.jpg here -->

  <p>
    Can you see the signs of global climate change?
  </p>
  <h2>#2: I arrived to SFO in the evening</h2>
  <!-- Put drop ArrivingAtSFO.jpg here -->

  <p>
    I really liked the style of this building.
  </p>
</body>
```

Step 2:

When you display the page, you see exactly what you expect as shown in the image below:



Hey dude, I'd taken these pictures during my San Francisco trip, while I was there for the BUILD conference!

#1: On the way, over Greenland

Can you see the signs of global climate change?

#2: I arrived to SFO in the evening

I really liked the style of this building.

Step 3:

Replace the placeholders with these `` tags, respectively:

```



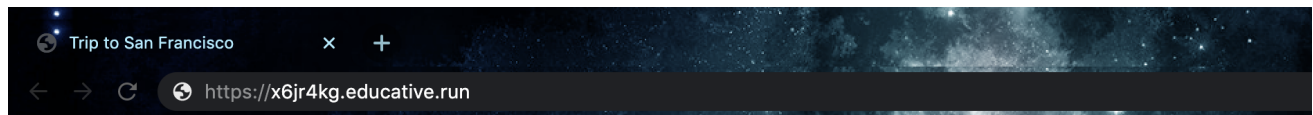
```



The size of the pictures would be too big to fit in the browser windows, so the width and height attributes of the `` tags specify the display size of these images in pixels.

Step 4:

Turn back to the browser. Now, you can see the pictures inserted into the page, as shown in the image below:



Hey dude, I'd taken these pictures during my San Francisco trip, while I was there for the BUILD 2013 conference!

#1: On the way, over Greenland



Can you see the signs of global climate change?

#2: I arrived to SFO in the evening



I really liked the style of this building.

Pictures inserted into the page

Complete implementation below!

```
<!DOCTYPE html>
<html>
<head>
  <title>Trip to San Francisco</title>
  <style>
    body {
      font-family: Verdana, Arial, sans-serif
    }
  </style>
</head>
<body>
  <p>
    Hey dude, I'd taken these pictures during
    my San Francisco trip, while I was there for
    the BUILD 2013 conference!
  </p>
  <h2>#1: On the way, over Greenland</h2>
  
  <h2>#2: I arrived to SFO in the evening</h2>
  
  <p>
    I really liked the style of this building.
  </p>
</body>
</html>
```

```
width="426" height="240" />

<p>
  Can you see the signs of global climate change?
</p>
<h2>#2: I arrived to SFO in the evening</h2>


<p>
  I really liked the style of this building.
</p>
</body>
</html>
```

It's great that you can now see the pictures, but in the implementation above, they are shrunk to a third of their original size. I know my pals, and I'm sure they'd like to see all the pictures in full size.

Well, it's pretty easy to implement by combining links and images, as you will learn from the *next lesson's* exercise.