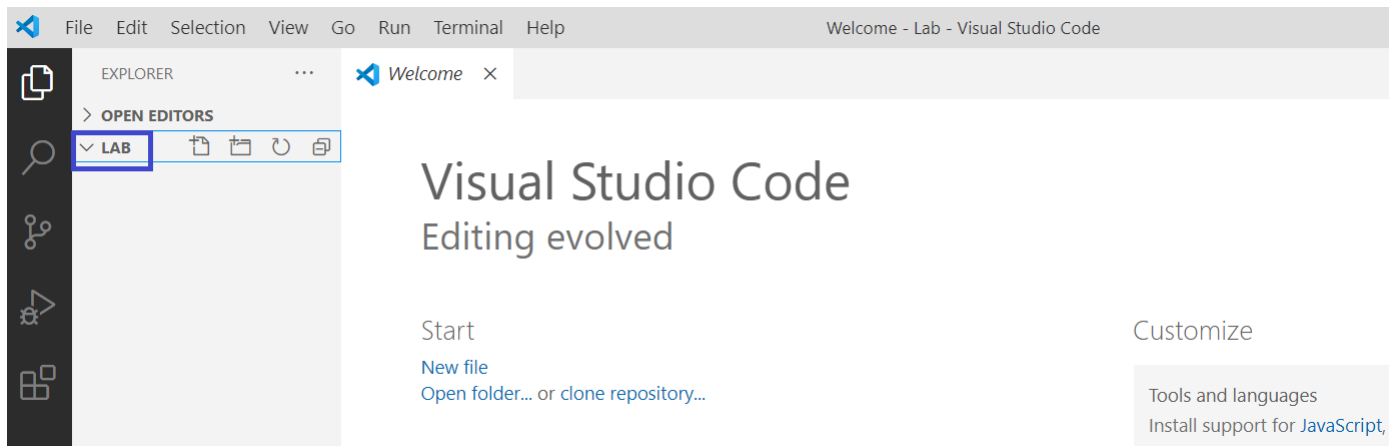


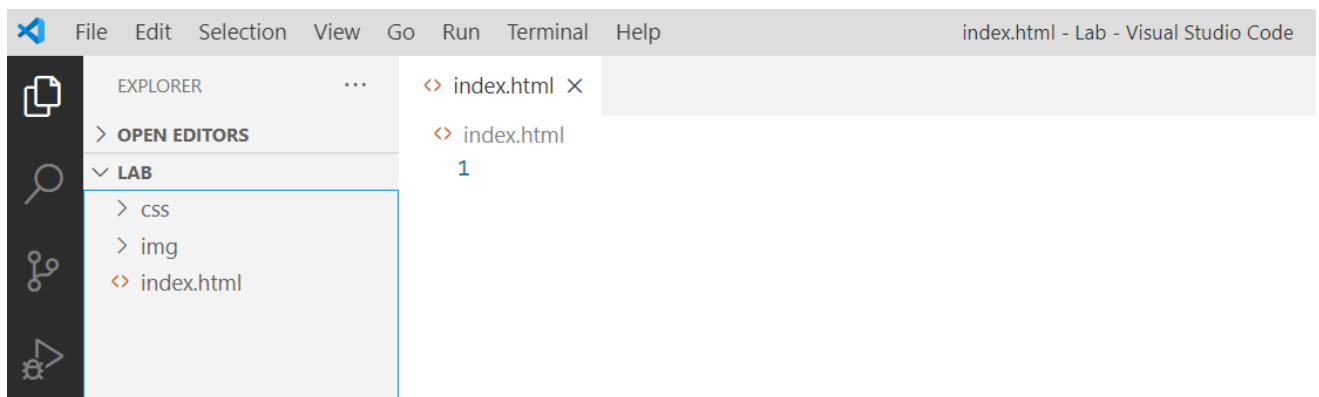
Lab: CSS – Current Weather Website

1. Organize Your Work

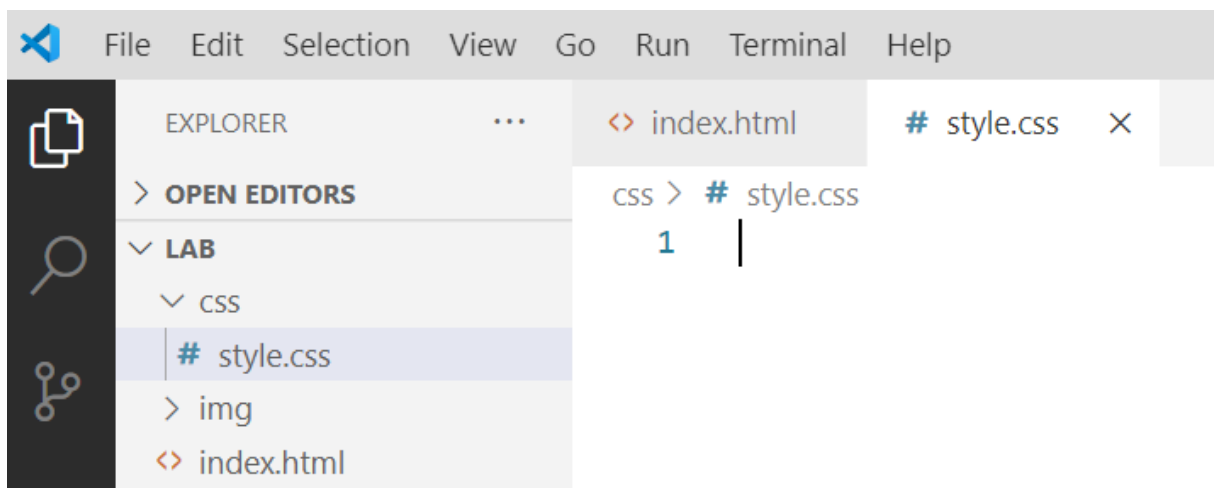
Create a working directory and open it with your editor.



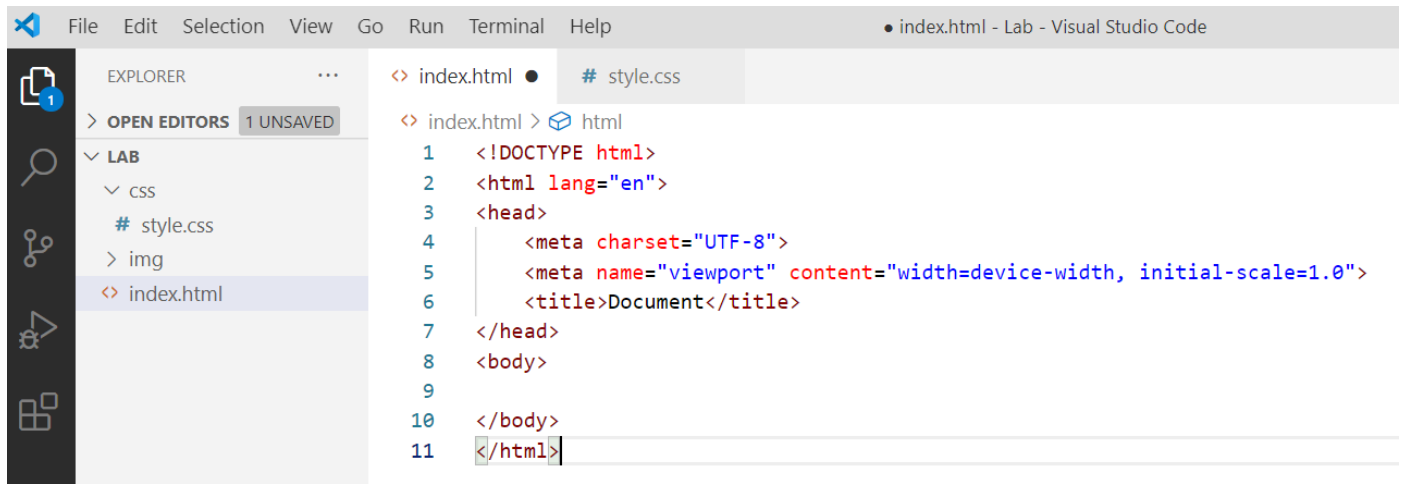
Here add your **HTML** page. Then create **folders** for **CSS**, **images**, etc.



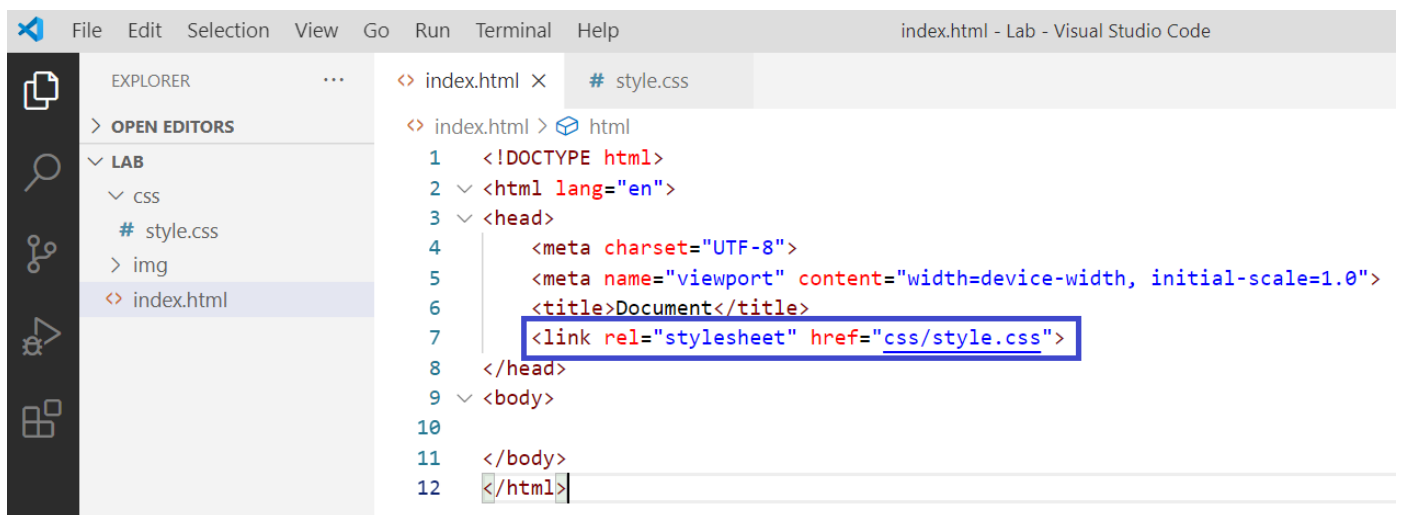
In **css** directory create your CSS files. Make sure the file ends in **.css**.



Initiate the HTML file.



In the head **link** the **style.css** file as an external style sheet.



Now, you are ready to start creating your website!

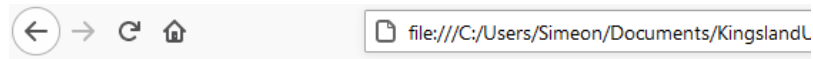
2. Create a Simple Website Showing the Actual Weather

Create a simple website showing the weather in your city.

- In the **HTML** file:
 - Put an **h2** heading with the text “actual weather”. Give the element an appropriate **class** name. We will use it in the CSS file to set the style.
 - Write the name of the city using **h1**. Give the element an appropriate **class** name.

```
<body>
  <h2 class="main-title">current weather</h2>
  <h1 class="town">atlanta</h1>
```

The result will be like this:



current weather

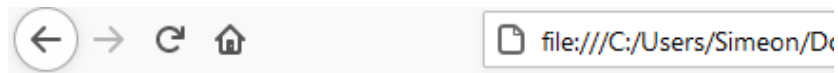
atlanta

- Now, open the **CSS** file and make:

- The title of the site should be in **capital letters**.
- The name of the town should start with a **capital letter** and have a **letter spacing** of **1px**.
Hint: Use the class names for more convenient control over the elements. For example, the first task will be:

```
h2.main-title {  
    text-transform: uppercase;  
}
```

Think about how to do the name of the town styling. The result must be:



CURRENT WEATHER

Atlanta
1px

3. Create the Left Pannel

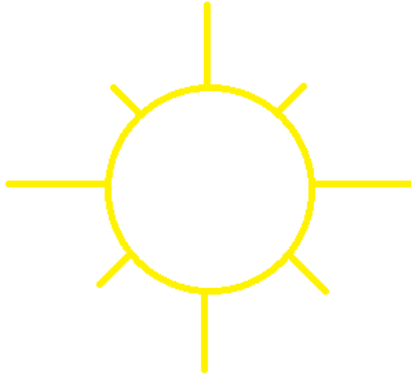
Our web page will contain information separated into two panels - **left** and **right**. The left one will hold an **image** and **temperature Info**.

- Create a **div** container for the left side and put there:
 - A **picture** of weather condition.
 - How **degrees** is the air temperature.
 - How it **feels like**.

Without formatting the page will look like this:

CURRENT WEATHER

Atlanta



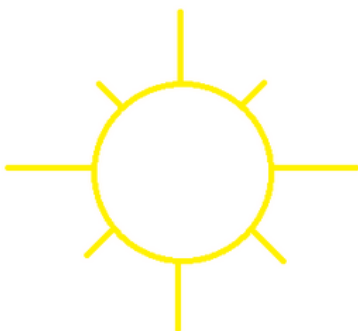
-2°C

Feels Like: -5°

- Open the **CSS** file and make the site to looks that way:

CURRENT WEATHER

Atlanta



-2°C

Feels Like: -5°

- Make a main left container to **float left**. Then in the container, the **picture** will be on the **left** side and the **paragraphs** with temperature info will be **floating right**. Experiment a little and you will find the right arrangement.
- Change the **picture size**.
- Set the appropriate **font size** and **font weight** on the **paragraphs**.
- Set the suitable **margin** to control the space between the big degrease sign and the “Feels Like” text.

4. Create the Right Panel

The right panel will hold information about visibility, wind, and humidity.

In HTML file:

- Create three rows for Humidity, Wind, and Wind Gusts. Make the panel so that the **names** of the indicators are **aligned** on the **left** and the **values** are **aligned** on the **right**.
Hint: Use **span** for values.
- Create one more row for Visibility. The difference here is that the number of kilometers must be colored. The colors are: > 5 km. green, 1 km. < > 5 km. orange, < 1 km. red.
- Put **horizontal lines** between the rows.
- Use appropriate **class names**.

In CSS file:

- Make the right panel be on the right side of the left panel.
- Set the **font size** to be **22px**.
- Use the appropriate **padding** when necessary.
- Set the **width**.
- Style the **spans**.
- Set horizontal lines to be in **whitesmoke** color.
- Set some space between the left and right panels.

Open the page. The result should be:



CURRENT WEATHER

Atlanta



-2°C

Feels Like: -5°

Humidity:	24%
Wind:	N 15 km/h
Wind Gusts:	32 km/h
Visibility:	14 km

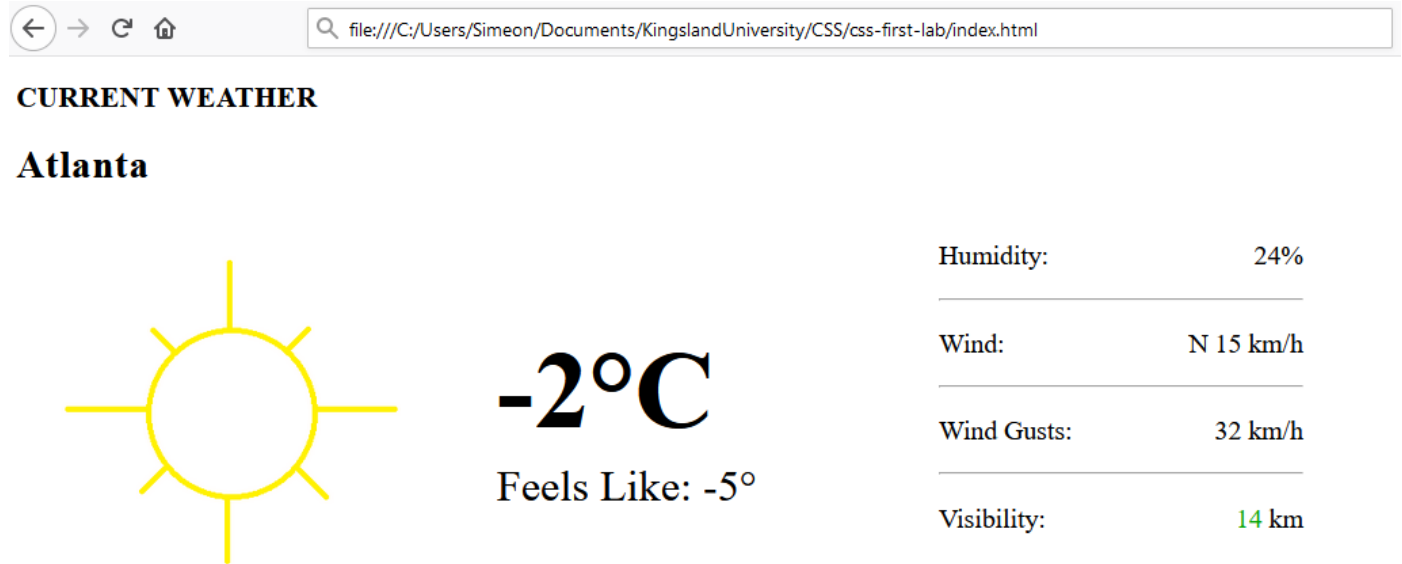
5. Create a Footer

Create a footer with a fictive link to “weather around”.

- Make the footer stay at the **bottom** of the web page.
- Make it with a **light blue background** lasting from the **beginning** of the line to the **end**. With no white places.

- Make the **height** be like in the picture.
- Use **font size** 28px.

The website will look like this:



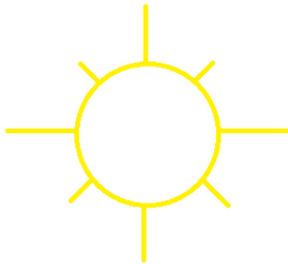
[The weather around](#)

6. Insert Border and Add More Panels

Create a **div** wrapping the town name and info and put a **border** around it. If you just set the border probably the result will not be so good.

CURRENT WEATHER

Atlanta



-2°C

Feels Like: -5°

Humidity: 24%

Wind: N 15 km/h

Wind Gusts: 32 km/h

Visibility: 14 km

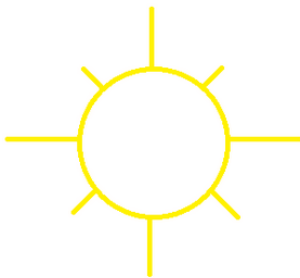
[The weather around](#)

The problem is that the inner containers are taller than the element containing them, and they are floated, so they overflow outside of the container.

Add a **clearfix** class to the containing element. Then in the CSS file give it an **overflow: auto** to fix the problem:

CURRENT WEATHER

Atlanta



-2°C

Feels Like: -5°

Humidity: 24%

Wind: N 15 km/h

Wind Gusts: 32 km/h

Visibility: 14 km

[The weather around](#)

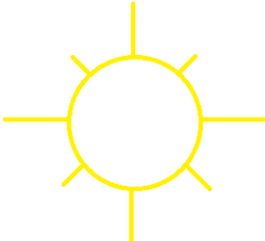
Now, insert a **second** panel for another place. Set the **margin** to put some space between the panels.

The website will look like this:



CURRENT WEATHER

Atlanta



-2°C

Feels Like: -5°

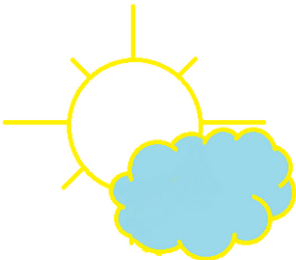
Humidity:24%

Wind:N 15 km/h

Wind Gusts:32 km/h

Visibility:14 km

Madison



-4°C

Feels Like: -6°

Humidity:22%

Wind:N 10 km/h

Wind Gusts:25 km/h

Visibility:16 km

[The weather around](#)