

# Web Fundamentals - HTML Quick Labs

Quick Labs Environment Set-Up .....	2
Quick Lab 6 - CSS Selectors .....	3
Quick Lab 7 - Text, Colours and Sizing .....	5
Quick Lab 8 - Images and Backgrounds .....	7
Quick Lab 9 - Positioning Elements.....	8
Quick Lab 10 - Tables.....	9

# Quick Labs Environment Set-Up

1. Open **VSCode**.
2. Using **File → Open**, navigate to the **Quick Labs** folder and click **Open**. This will give you access to all of the Quick Lab files and solutions needed to complete the Quick Labs.
3. At the bottom of the **VSCode** window, you should see a **Go Live** icon. Click on this will launch **live-server** for the currently selected file or folder. If a folder is selected, this will be shown in your browser, and you will be able to navigate here. If a file is selected, the browser will attempt to display the file.

# Quick Lab 6 - CSS Selectors

## Objectives

- Use CSS selectors to apply styling to particular elements

## Activity

1. Open the file **index.html** from the **QuickLabs/06\_Selectors/starter** folder using **live-server** (*Please see step 3 of setting up the environment for help on this*).
2. Apply an appropriate selector for the element(s) specified in the comment to the styling rule before it on each line.
3. When you have completed the first set of list-item styling check the output.
4. Your finished product should look like the image below. Inspect elements to find out what happened to styles that are not shown...

## A heading

A paragraph with emphasis

Header

Item 1

Item 2

Item 3

Item 4

Item 5

Item 6

Article

Paragraph 1

Paragraph 2

Article footer

Body footer

Header

Article

Paragraph 1

Paragraph 2

Quote

Paragraph 3

Article footer

Paragraph 1

[Jump to New content 2](#)

New content 1

New content 2

Name:

Email:

Body footer

*This is the end of Quick Lab 6*

# Quick Lab 7 - Text, Colours and Sizing

## Objectives

- Experiment with adding colours and sizing to text and other elements

## Activity

1. Open the file **index.html** from the **QuickLabs/07\_TextColourSizing/starter** folder using **live-server** (Please see step 3 of setting up the environment for help on this).
2. Apply these styling rules to the text:

Element	Styles
h1 inside a header	<ul style="list-style-type: none"><li>• A shadow that is hotpink, set 5px horizontal and 3px vertical</li><li>• Text colour set to darkblue</li><li>• A font family of Helvetica</li><li>• A background colour set to grey of 200, 200, 200, 1 on the rgba scale</li><li>• A font size of point 48</li><li>• Centre the display of the text</li></ul>
h1	<ul style="list-style-type: none"><li>• A font family of Arial</li><li>• A font size set to 2 x the relative (em)</li></ul>
A p with a class of first	<ul style="list-style-type: none"><li>• Indent the text by 30 pixels</li><li>• Set the colour to be red with half transparency</li></ul> <p>Make the text fill the row (i.e., justify)</p>
h2 and h3	<ul style="list-style-type: none"><li>• Align the text to the right</li><li>• Use the Courier New font</li><li>• Have a background of a mid-grey with half transparency</li></ul>
A p with an id of highlightme	<ul style="list-style-type: none"><li>• Set the background with a Hue of 45, a Saturation of 100% and a Lightness of 50%. It should be half transparent too</li><li>• Space the lines by 30px</li><li>• Occupy 50% of the available width</li></ul>
A p directly inside a footer	<ul style="list-style-type: none"><li>• A background colour of hotpink (set as a HSLA value)</li><li>• Use any sans-serif font</li><li>• Centre the text</li><li>• Make the text uppercase</li></ul>

Your finished product should look like the image below.

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## Lorem ipsum dolor sit amet.

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*This is the end of Quick Lab 7*

# Quick Lab 8 - Images and Backgrounds

## Objectives

- Format images on pages
- Use CSS to add background images to elements on pages

## Activity

1. Open the file **team.html** from the **QuickLabs/08\_ImagesBackgrounds/starter** folder using **live-server**(*Please see step 3 of setting up the environment for help on this*).
2. Add a CSS rule that makes the image occupy 50% of the available space.
3. Apply an image background to the **div** with an **id** of **hasBackground**. It should
  - Use the image named **pexels-photo-370799.jpg**;
4. Experiment with the **repeat** and **position** attributes;

*This is the end of Quick Lab 8*

# Quick Lab 9 - Positioning Elements

## Objectives

- Use floats, clears and other positioning and sizing properties to lay out a page

## Activity

1. Open the file **index.html** from the **QuickLabs/09\_PositioningElements/starter** folder using **live-server**(Please see step 3 of setting up the environment for help on this).
2. Turn the left-hand image into the right-hand image:

### Positioning Elements

[Link](#) [Link](#) [Link](#)

#### Column

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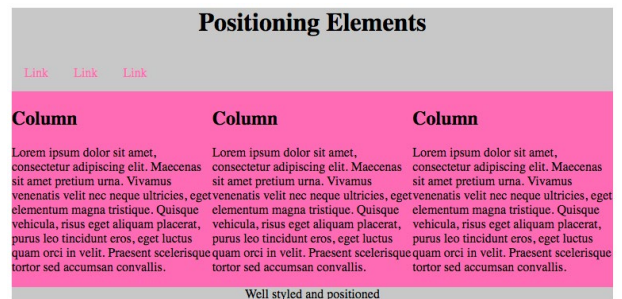
#### Column

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#### Column

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Well styled and positioned



3. Guidance on CSS rules to create:

Element or group	Items to set	Values to use
Elements of type header and footer	background-colour text-align clear	rgba(200, 200, 200, 1) center both
Elements of type nav	width height	100% 46px
Links in a nav	float display color text-align padding text-decoration	Left block hsla(300, 100%, 71%, 1) center 14px, 16px none
Hovered links in a nav	background-color color	hsla(300, 100%, 71%, 1) black
Element with id of row	clear	both
Elements with class of column	float width background-color	left 33.33% hsla(300, 100%, 71%, 1)

*This is the end of Quick Lab 9*



# Quick Lab 10 – Tables

## Objectives

- To be able to format a table using CSS

## Activity

- Open the file **index.html** from the **QuickLabs/10\_CSSTables/starter** folder using **live-server**(Please see step 3 of setting up the environment for help on this).
- Format the table so that it looks like the image below:

Name	Country	Date of Birth
Loretta Silva	Anguilla	8/11/1985
Joel Montgomery	Nigeria	1/1/1966
Joel Brady	South Georgia & South Sandwich Islands	11/29/1960
Brent Kim	Sudan	7/21/1971
Marie Abbott	Ecuador	10/27/1967
Alvin Carter	Aland Islands	1/8/1977
Hilda Carter	Colombia	8/18/1959
Jason Cohen	Ecuador	5/12/1953
Clara Jensen	South Sudan	2/2/1986
Hallie Fields	Jordan	3/24/1960

- Ensure that the table has a hover property that highlights each row as the mouse pointer is over it as shown:

Name	Country	Date of Birth
Loretta Silva	Anguilla	8/11/1985
Joel Montgomery	Nigeria	1/1/1966
Joel Brady	South Georgia & South Sandwich Islands	11/29/1960
Brent Kim	Sudan	7/21/1971
Marie Abbott	Ecuador	10/27/1967
Alvin Carter	Aland Islands	1/8/1977
Hilda Carter	Colombia	8/18/1959
Jason Cohen	Ecuador	5/12/1953
Clara Jensen	South Sudan	2/2/1986
Hallie Fields	Jordan	3/24/1960

4. The following information may help:

Element or group	Items to set	Values to use
Element of type table	font-family border-collapse width	'Segoe UI', Tahoma, Geneva, Verdana, sans-serif collapse 100%
Elements of type th and tr	border text-align	1px solid hsla(0, 0%, 17%, 1) left
Elements of type th	padding background-color color	15px 10px hsla(330, 100%, 71%, 1) hsla(0, 0%, 17%, 1)
Even tr elements	background-color	hsla(0, 0%, 74%, 0.2)
Hovered tr elements	background-color	hsla(330, 100%, 71%, 0.5)

*This is the end of Quick Lab 10*