# Web Fundamentals - HTML Quick Labs

Quick Labs Environment Set-Up ..... 2
Quick Lab 6 - CSS Selectors ..... 3
Quick Lab 7 - Text, Colours and Sizing ..... 4
Quick Lab 8 - Images and Backgrounds ..... 6
Quick Lab 9 - Positioning Elements ..... 7
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.

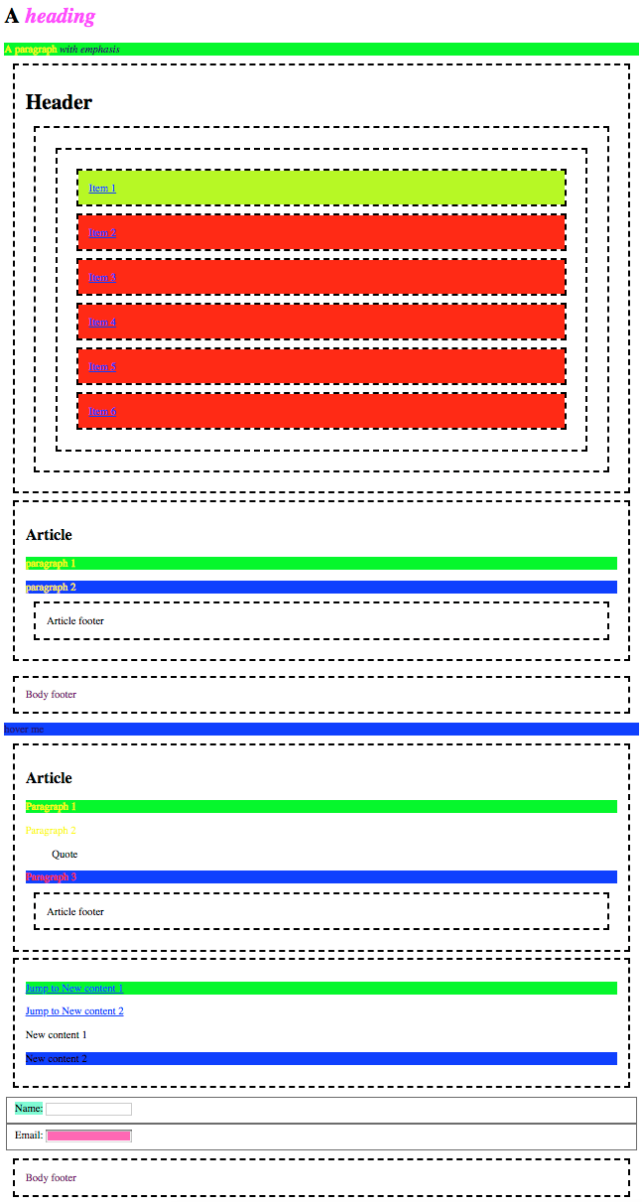
# Quick Lab 6 - CSS Selectors

## 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…




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 | • A shadow that is hotpink, set 5px horizontal and 3px vertical<br>• Text colour set to darkblue<br>• A font family of Helvetica<br>• A background colour set to grey of 200, 200, 200, 1 on the rgba scale<br>• A font size of point 48<br>• Centre the display of the text |
| h1 | • A font family of Arial<br>• A font size set to 2 x the relative (em) |
| A p with a class of first | • Indent the text by 30 pixels<br>• Set the colour to be red with half transparency<br>Make the text fill the row (i.e. justify) |
| h2 and h3 | • Align the text to the right<br>• Use the Courier New font<br>• Have a background of a mid-grey with half transparency |
| A p with an id of highlightme | • Set the background with a Hue of 45, a Saturation of 100% and a Lightness of 50%. It should be half transparent too<br>• Space the lines by 30px<br>• Occupy 50% of the available width |
| A p directly inside a footer | • A background colour of hotpink (set as a HSLA value)<br>• Use any sans-serif font<br>• Centre the text<br>• Make the text uppercase |

Your finished product should look like the image on the next page.

# Lorem ipsum dolor sit.

## Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Eum, quod sequi numquam porro dolorum quos aut dolorem quidem tempora veniam, vero in sit. Accusantium dolorem minima nemo impedit deserunt, iusto aperiam sint, adipisci, at numquam cupiditate commodi blanditiis quae. Qui ut repellendus facilis sunt perspiciatis consequuntur quod, ex nulla odit harum voluptates consectetur numquam ducimus animi hic neque reiciendis! Nemo dolorum voluptate beatae, molestias quod repudiandae maxime veritatis, hic vitae consequuntur velit. Nihil, cum architecto assumenda possimus harum hic nisi distinctio necessitatibus quam, doloremque vero sunt autem quod! Quis consequatur numquam earum, nisi saepe non incidunt repellat magnam dignissimos qui corporis, harum laborum, tempore cumque eos deserunt omnis. Harum similique earum ratione fugiat. Doloribus fuga, aliquam quod omnis cupiditate ipsum ipsam eos nulla libero, numquam non placeat sunt nam minima unde at consequuntur? Libero numquam accusamus deserunt nisi eius pariatur maiores animi ullam nostrum iste, dicta laudantium natus in ab cupiditate aliquam! Reprehenderit esse deleniti ad quisquam quod provident ut incidunt sed nihil quam labore ullam, cupiditate saepe adipisci illo dolorem, corporis, maxime optio neque natus corrupti pariatur. Blanditiis, impedit ad repellendus facere dicta aliquam nam, enim nisi doloribus iste, harum nesciunt mollitia! Minima, omnis quos laudantium veritatis voluptates impedit.

**Lorem ipsum dolor sit amet consectetur.**

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Molestiae non numquam iure perferendis. Voluptatibus cumque saepe tempore similique eos placeat ad ducimus, nam eaque. Quam nisi iure impedit ducimus nemo quis quod a voluptates repellat. Aperiam atque delectus deleniti nostrum? Minus cum vero, perferendis aut dolores consequatur quisquam ipsam accusamus!

**Lorem ipsum dolor sit amet consectetur adipisicing.**

Lorem ipsum dolor sit amet consectetur adipisicing elit. Impedit velit ratione harum perspiciatis dicta reiciendis accusantium porro adipisci aliquam quo maiores veritatis quod eum, minus illum ea natus inventore numquam provident sapiente quam ad culpa ducimus. Minima totam non perferendis laborum quam, quae cupiditate, commodi magni a fugiat, sapiente deserunt.

LOREM IPSUM DOLOR SIT AMET CONSECTETUR ADIPISICING ELIT. DICTA, VOLUPTATES!

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

---

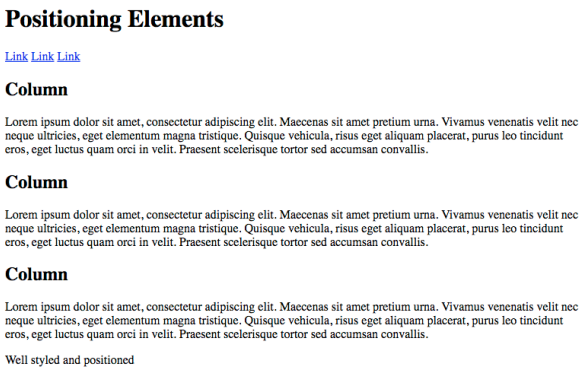
# Quick Lab 9 - Positioning Elements

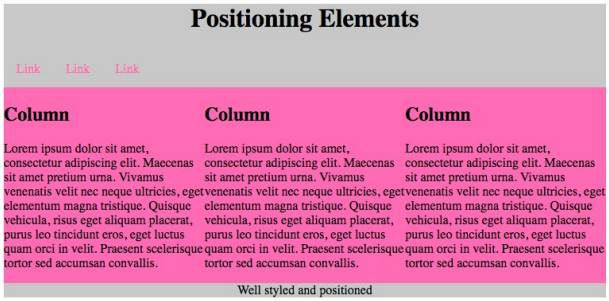
## Objectives

- 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:




3. Guidance on CSS rules to create:

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

| Element with id of row | clear | both |
| --- | --- | --- |
| Elements with class of column | float<br>width<br>background-color | left<br>33.33%<br>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

1. 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)*.
2. 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 | Åland 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 |

3. 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 | Åland 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<br>border-collapse<br>width | 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif<br>collapse<br>100% |
| Elements of type th and tr | border<br>text-align | 1px solid hsla(0, 0%, 17%, 1)<br>left |
| Elements of type th | padding<br>background-color | 15px 10px<br>hsla(330, 100%, 71%, 1) |

| | | |
|---|---|---|
| | color | 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