

Screenshots of Webpages for Lab Task 1.1 to 2.4

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Lab 1

Lab Task 1.1

<https://github.com/Sharonwoon/DataVisualisationLab/blob/main/lab1-1.html>

The screenshot displays a web browser on the left and a code editor on the right. The browser shows a web page titled "Pets and the Pandemic" by Woon Xin Ying. The page content includes a paragraph about a report from Animal Medicines Australia (AMA) and a bulleted list of benefits of pet ownership. A table titled "Fig 1. Comparison of Pet Ownership in 2019 and 2021" is also present. The code editor shows the HTML source code for the page, including the DOCTYPE, lang attribute, meta tags, title, and body content.

Pets and the Pandemic

Author: Woon Xin Ying

A report from Animal Medicines Australia (AMA) has found that many Australians took the opportunity to introduce a pet into their household during the pandemic. Their survey indicated that there was a significant increase in the percent of households taking in a new dog, fish or bird. Their research also indicated that pets had a number of positive influences on their lives such as:

- companionship
- better mental health
- joy and happiness

With the increase in pet ownership the AMA are encouraging policy makers to consider the needs of companion animals and their owners when considering rental, strata and body corporate regulations as well as accepting animals in public places and transport.

Pet type	Household penetration (%)		Total owner households ('000)		Animals per household (average)		Total pets ('000)	
	2019	2021	2019	2021	2019	2021	2019	2021
Other	46	47.8	1,076.2	1,076.2	1.2	1.6	1,291.2	1,722.0
Cats	37	50	1,002.0	1,002.0	1.4	1.6	1,402.8	1,603.2
Fish	9	10.8	1,002.0	1,002.0	0.7	0.5	700.2	500.8
Birds	9	10.8	1,002.0	1,002.0	0.4	0.9	400.8	900.8
Small mammals	3	5	257.8	486.0	2.4	3.0	614.5	1,458.0
Reptiles	2	4	104.0	426.4	1.9	1.6	194.2	682.4
Other pets	2	1	104.0	10.0	9.2	3.8	1,765.2	400.2
Pet Owners	81	89.8	5.8 m	8.8 m			28.8 m	35.8 m
Non-Owners	19	10.2	3.7 m	1.2 m				

Fig 1. Comparison of Pet Ownership in 2019 and 2021. Data Source: [Animal Medicine Australia Report](#)

COS30045 Data Visualisation

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8"/>
  <meta name="description" content="Data Visualisation Exercise 1"/>
  <meta name="keywords" content="HTML, CSS"/>
  <meta name="author" content="Your name here"/>

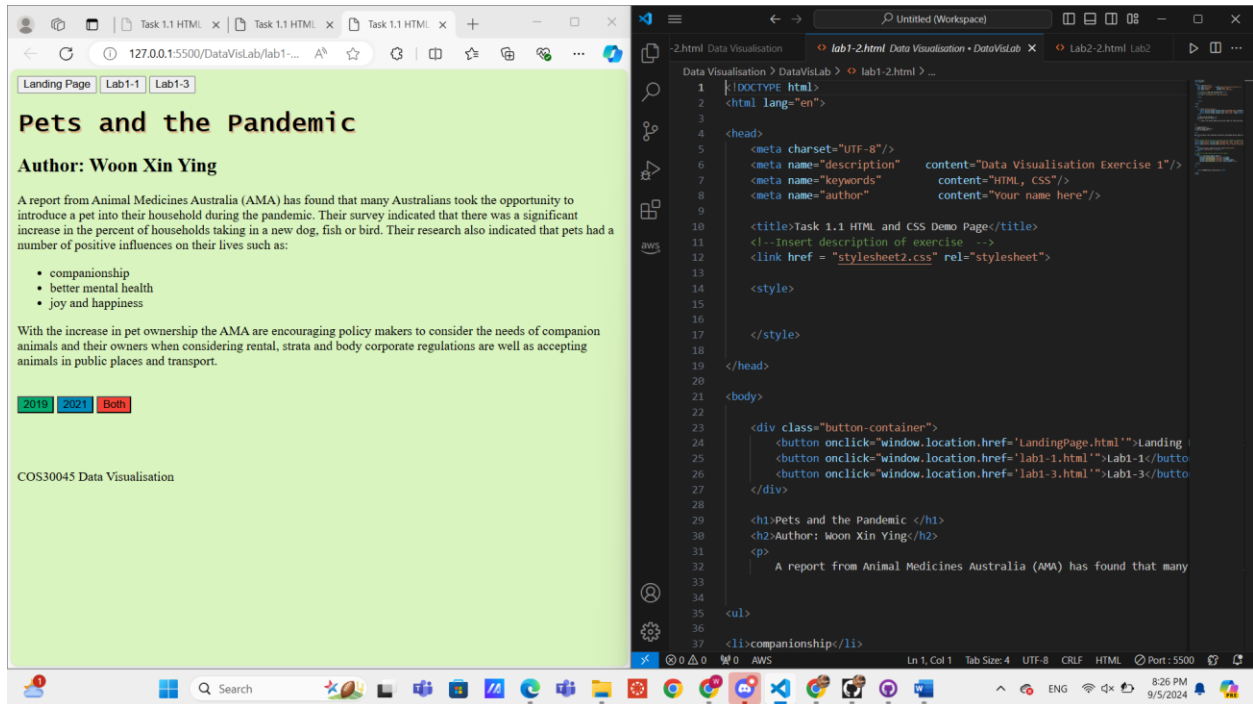
  <title>Task 1.1 HTML and CSS Demo Page</title>
  <!-- Insert description of exercise -->
  <link href = "stylesheet.css" rel="stylesheet">
</head>

<body>
  <div class="button-container">
    <button onclick="window.location.href='LandingPage.html'">Landing
    <button onclick="window.location.href='lab1-2.html'">Lab1-2</button>
    <button onclick="window.location.href='lab1-3.html'">Lab1-3</button>
  </div>

  <h1>Pets and the Pandemic </h1>
  <h2>Author: Woon Xin Ying</h2>
  <p>
    A report from Animal Medicines Australia (AMA) has found that many
  </p>
  <ul>
    <li>companionship</li>
    <li>better mental health</li>
    <li>joy and happiness</li>
  </ul>
</body>
```

Lab1-2

<https://github.com/Sharonwoon/DataVisualisationLab/blob/main/lab1-2.html>



Lab 1-3

<https://github.com/Sharonwoon/DataVisualisationLab/blob/main/lab1-3.html>

The screenshot displays a web browser on the left and a code editor on the right. The browser shows a landing page titled "Drawing Shapes with SVG" with four data visualizations: a horizontal bar chart, a square, a bar chart, and a line chart. The code editor shows the HTML and CSS for the lab, including a header with a title and a body with a button container and an SVG element.

Browser View:

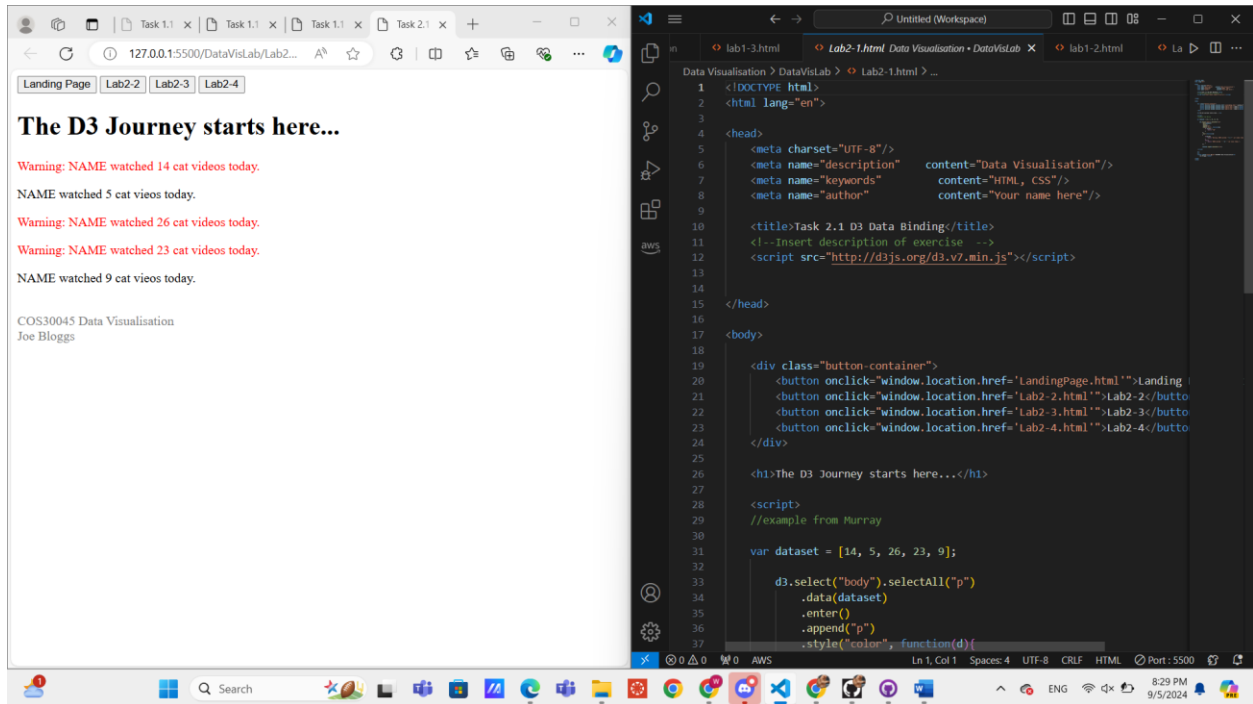
- Address bar: 127.0.0.1:5500/DataVisLab/lab1-3.html
- Navigation: Landing Page, Lab1-1, Lab1-2
- Title: Drawing Shapes with SVG
- Visualizations:
 - Horizontal bar chart with 3 bars of increasing length.
 - A single blue square.
 - Bar chart with 5 bars of varying heights.
 - Line chart with 5 data points showing an upward trend.
- Footer: COS30045 Data Visualisation, Woon Xin Yine

Code Editor View:

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8"/>
6   <meta name="description" content="Data Visualisation Exercise 1"/>
7   <meta name="keywords" content="HTML, CSS"/>
8   <meta name="author" content="Your name here"/>
9
10  <title>Task 1.1 HTML and CSS Demo Page</title>
11  <!--Insert description of exercise -->
12
13  <style>
14
15  </style>
16
17 </head>
18
19 <body>
20
21   <div class="button-container">
22     <button onclick="window.location.href='LandingPage.html'">Landing
23     <button onclick="window.location.href='lab1-1.html'">Lab1-1</button>
24     <button onclick="window.location.href='lab1-2.html'">Lab1-2</button>
25   </div>
26
27   <h1>Drawing Shapes with SVG </h1>
28   <svg width="500" height="60" style="background-color: #slategray;">
29
30     <g transform="translate(20,0)">
31       <circle cx="25", cy="30", r="25" fill="cornflowerblue" />
32       <rect x="50", y="5", width="50", height="50" fill="rgb(100, 14
33       <ellipse cx="140", cy="30", rx="40", ry="25"
34       fill="rgba(100, 149, 237, 0.5)" />
35       <line x1="0" y1="30", x2="180", y2="30", stroke="black"
36       stroke-width="5" />
37     </g>
38   </svg>
39 </body>
40 </html>
```

Lab 2-1

<https://github.com/Sharonwoon/DataVisualisationLab/blob/main/Lab2-1.html>



Lab 2-2

<https://github.com/Sharonwoon/DataVisualisationLab/blob/main/Lab2-2.html>

The screenshot displays a web browser on the left and a code editor on the right. The browser shows a page titled "Drawing with Data" by Woon Xin Ying, featuring a bar chart with 10 bars of varying heights and colors (green and blue). The data values are: 14, 5, 26, 23, 9, 12, 7, 19, 28, 16, 15, 24. Below the chart, it says "COS30045 Data Visualisation" and "Joe Bloggs". The code editor on the right shows the HTML and JavaScript code for the page. The HTML includes a title, author, and a script that updates the dataset to match the chart. The JavaScript code defines variables for width, height, bar padding, and the dataset array.

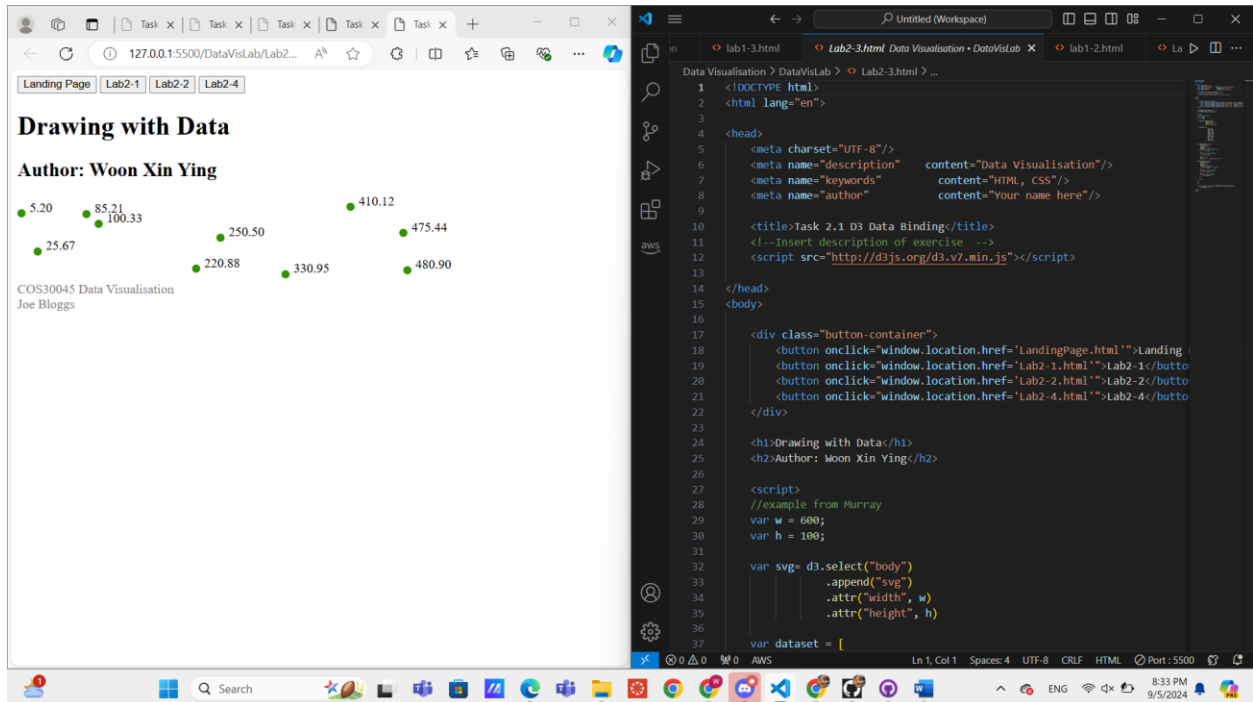
Lab 2-2 Data

Bar Index	Value
1	14
2	5
3	26
4	23
5	9
6	12
7	7
8	19
9	28
10	16
11	15
12	24

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="description" content="Data Visualisation"/>
7   <meta name="keywords" content="HTML, CSS"/>
8   <meta name="author" content="Your name here"/>
9
10  <title>Task 2.1 D3 Data Binding</title>
11  <!-- Insert description of exercise -->
12  <script src="http://d3js.org/d3.v7.min.js"></script>
13
14 </head>
15 <body>
16
17   <div class="button-container">
18     <button onclick="window.location.href='LandingPage.html'">Landing
19     <button onclick="window.location.href='Lab2-1.html'">Lab2-1</button>
20     <button onclick="window.location.href='Lab2-3.html'">Lab2-3</button>
21     <button onclick="window.location.href='Lab2-4.html'">Lab2-4</button>
22   </div>
23
24   <h1>Drawing with Data</h1>
25   <h2>Author: Woon Xin Ying</h2>
26
27   <script>
28     //example from Murray
29
30     var w = 500;
31     var h = 150;
32     var barPadding = 3;
33
34     // Updated dataset to match the chart
35     var dataset = [10, 20, 15, 30, 25, 35, 20, 30, 25, 30];
36
37
```

Lab 2-3

<https://github.com/Sharonwoon/DataVisualisationLab/blob/main/Lab2-3.html>



Lab 2-4

<https://github.com/Sharonwoon/DataVisualisationLab/blob/main/Lab2-4.html>

