

## 2.2.html

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<!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="Minh Nguyen"/>

  <title>Task 2.2 D3 Data Binding</title>
  <script src = "https://d3js.org/d3.v7.min.js"></script>
</head>

<body>
<h1>The D3 Journey starts here....</h1>
<script>
  var w = 500;
  var h = 100;
  var barpadding = 1;
  var dataset = [14, 5, 26, 23, 9, 12, 7, 19, 28, 16, 15, 24];

  var svg = d3.select("body")
    .append("svg")
    .attr("width", w)
    .attr("height", h);

  svg.selectAll("rect")
    .data(dataset)
    .enter()
    .append("rect") // Add a rect for each data element
    .attr("x", function (d, i) {
      return i * (w / dataset.length);
    })
    .attr("y", function (d) {
      return h - d * 4;
    })
    .attr("width", w / dataset.length - barpadding)
    .attr("height", function (d) {
      return d * 4;
    })
    .attr("fill", "teal");

  svg.selectAll("text")
    .data(dataset)
    .enter()
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        .append("text")
        .text(function (d) { return d; }) // <- Add this line to display the
value
        .attr("x", function (d, i) {
            return i * (w / dataset.length) + (w / dataset.length -
barpadding) / 2;
        })
        .attr("y", function (d) {
            return h - d * 4 + 19;
        })
        .attr("font-family", "sans-serif")
        .attr("font-size", "11px")
        .attr("fill", "white")
        .attr("text-anchor", "middle");
</script>

<br>
<bf>
<footer style="color:grey">COS30045 Data Visualisation<br>Minh
Nguyen<br>Semester 1 2024</footer>

</body>
</html>

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