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<html lang="en">
<head>
      <meta name="viewport" content="width=device-width, initial-scale=1">
      <meta name="description" content="Data Visualisation">
      <meta name="keywords" content="HTML, CSS, D3">
      <meta name="author" content="Dhanveer Ramnauth">
      <meta name="description" content="Data Visualisation">
      <title>Task 2.2 D3 Data Binding</title>
      <script src="https://cdn.jsdelivr.net/npm/d3@7"></script>
<link href="css/style.css" rel="stylesheet">
</head>
      <h1>The D3 Journey starts here...</h1>
            let dataset = [14, 5, 26, 23, 9, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25
                                     21, 22, 23, 24, 25,
26, 27, 28, 29, 30];
             let h = 200;
            let ratio = (w / dataset.length);
            let svg = d3.select("body")
                                .append("svg")  //add the svg
.attr("width", w)  //set width attribute
.attr("height", h); //set height attribute
            let padding = 1; // size between bar
let height_multiplier = 4; //make bar big
            svg.selectAll("rect")
                    .enter() //creates a new placeholder for each bit of data
                   .append("rect") //add svg rect
.attr("x", function (d, i) { //X coord
    return i * ratio; // w / dataset.length - norm
                   .attr("y", function (d) { //Y coord
   //we need to set the y value to the top of the bar so its not upside down
   return h - d * height_multiplier; //d*height_multiplier is bar height
                   .attr("width", ratio - padding) //ratio is the maximum element size and padding is gap
.attr("height", function (d) {
   return d * height_multiplier; //multiply the current data with a multiplier
                    .attr("fill", function(d, i)
                                 let color_palette = [
                                       [ 0, 63, 92],
[ 47, 75, 124],
[102, 81, 145],
[160, 81, 149],
[212, 80, 135],
[249, 93, 106],
[255, 124, 67]
                                       [255, 124, 67],
[255, 166, 0]
```

!DOCTYPE html