

Chart Program

Store the following values in a **JSON** array in JavaScript.

**Apple: 20**

**Orange: 10**

**Banana: 15**

**Kiwi:5**

**Blueberry: 5**

**Grapes:10**

JSON in JavaScript example is best. Here it is partially, to help start you off.

```
var fruit = [  
  
    {name:"Apple", quantity:20, color:"red"},  
    {name:"Orange", quantity:10, color:"orange"}  
  
];
```

Using Javascript/Canvas, draw out a bar chart showing the quantity in sales for the fruit. Each bar must be in a color that matches the fruit, please choose a unique color for each fruit. You should write the code using HTML5 drawing commands. Later on in the semester we will use a charting library.

Write the name of the fruit, followed by a horizontal bar chart.

Refer to the following examples for help:

[https://www.w3schools.com/js/js\\_json\\_arrays.asp](https://www.w3schools.com/js/js_json_arrays.asp)

<http://www.sci.brooklyn.cuny.edu/~goetz/cisc3610/html5/canvas-text-advanced.html>

[https://www.w3schools.com/tags/canvas\\_fillstyle.asp](https://www.w3schools.com/tags/canvas_fillstyle.asp)

Place it on your portfolio in a section called Labs.

Partial Sample output:

