JavaScript Sample

This document shows precipitation values for several cities (taken from the cities’ respective Wikipedia articles). JavaScript is used to create graphs and improve the look of the table.

This sample includes several external style sheets and script files:

- **script.js** Retrieves data from the HTML table, calculates totals and passes them to Flotr.
- **flotr2.min.js** A popular Open Source JavaScript library to create graphs.
- **awesomizr.js** A RealObjects-made JavaScript library used to transform table headers.
- **style.css** Styles tables with advanced CSS3 properties and selectors.

![Precipitation Data](chart.png)

### Precipitation [mm] per year

<table>
<thead>
<tr>
<th>City</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York City</td>
<td>71.1</td>
<td>65.5</td>
<td>88.4</td>
<td>77.7</td>
<td>101.3</td>
<td>95.8</td>
<td>94.5</td>
<td>74.2</td>
<td>94.5</td>
<td>86.4</td>
<td>80.5</td>
<td>77.5</td>
<td>1007.4</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>79.2</td>
<td>96.5</td>
<td>61.7</td>
<td>6.6</td>
<td>2.3</td>
<td>0.3</td>
<td>1.0</td>
<td>6.1</td>
<td>16.8</td>
<td>26.4</td>
<td>59.2</td>
<td>379.2</td>
<td></td>
</tr>
<tr>
<td>San Francisco</td>
<td>114.3</td>
<td>113</td>
<td>82.6</td>
<td>37.1</td>
<td>18.0</td>
<td>4.1</td>
<td>0.0</td>
<td>1.5</td>
<td>5.3</td>
<td>28.4</td>
<td>80.3</td>
<td>115.8</td>
<td>600.4</td>
</tr>
</tbody>
</table>

*Precipitation [mm] per month*
<table>
<thead>
<tr>
<th>City</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Washington. D.C.</td>
<td>69.1</td>
<td>68.8</td>
<td>80.5</td>
<td>68.8</td>
<td>93.0</td>
<td>85.9</td>
<td>96.5</td>
<td>99.3</td>
<td>84.1</td>
<td>76.7</td>
<td>79.2</td>
<td>79.2</td>
<td>981.1</td>
</tr>
<tr>
<td>Boston</td>
<td>85.3</td>
<td>82.6</td>
<td>109.7</td>
<td>95</td>
<td>88.4</td>
<td>93.5</td>
<td>87.1</td>
<td>83.6</td>
<td>87.4</td>
<td>100.1</td>
<td>101.3</td>
<td>96</td>
<td>1110</td>
</tr>
<tr>
<td>Berlin</td>
<td>42.3</td>
<td>33.3</td>
<td>40.5</td>
<td>37.1</td>
<td>53.8</td>
<td>68.7</td>
<td>55.5</td>
<td>58.2</td>
<td>45.1</td>
<td>37.3</td>
<td>43.6</td>
<td>55.3</td>
<td>570.7</td>
</tr>
<tr>
<td>Stockholm</td>
<td>39</td>
<td>27</td>
<td>26</td>
<td>30</td>
<td>30</td>
<td>72</td>
<td>66</td>
<td>55</td>
<td>50</td>
<td>53</td>
<td>46</td>
<td>53</td>
<td>569</td>
</tr>
<tr>
<td>Cape Town</td>
<td>15</td>
<td>17</td>
<td>20</td>
<td>41</td>
<td>69</td>
<td>93</td>
<td>82</td>
<td>77</td>
<td>40</td>
<td>30</td>
<td>14</td>
<td>17</td>
<td>515</td>
</tr>
</tbody>
</table>

*Precipitation [mm] per month*

**Awesomizr**

RealObjects provides you its Open Source JavaScript library **Awesomizr**. This library provides among other things a function that can be used to rotate the header of any table in an arbitrary angle, by using CSS3 transforms.

**Usage**

Transform a table by including the library in your document and calling the `rotateTableHeader` function in your JavaScript code. **Awesomizr** will automatically create a `<thead>` element from the first row in the specified table if no such element is present.

```html
<script type="text/javascript" src="awesomizr.js"></script>
<script type="text/javascript">
  ...
  Awesomizr.rotateTableHeader(table, params);
</script>
```

- **table**  The HTML node of the table to transform.
- **params** An object of optional parameters.

In the PDFreactor manual, you can find more information on the optional parameters and other functionality of the awesomizr library.

**Example**

```javascript
Awesomizr.rotateTableHeader(document.getElementById("myTable"), { angle: 40, width: "20pt" });
```
In July 2011 the Space Shuttle Atlantis went on its 135th and final mission to space, carrying hardware to the International Space Station. The mission was also the last orbiter mission to service the International Space Station, and was the final flight of Atlantis. The mission was planned to last 16 days and took off from Kennedy Space Center in Florida on 11 July 2011. The flight was originally scheduled to last 14 days, but was extended due to delays.

The mission was notable for several reasons. First, it was the first flight of the shuttle since the Columbia disaster in 2003, and the first flight of Atlantis since 2010. Second, it was the first flight of the shuttle since the shuttle program was announced as being terminated. Finally, it was the first flight of the shuttle since the Space Shuttle Program was officially ended in 2011.

The mission was also notable for the amount of cargo it carried. The shuttle carried a total of 52,562 pounds of cargo to the International Space Station during its 16-day mission. This cargo included a new module for the space station, a new scientific module, and a new experiment module.

The mission was successful, and the shuttle landed at Edwards Air Force Base in California on 21 July 2011, ending the mission and the Space Shuttle Program.

The shuttle program was officially ended on 31 October 2011, with the retirement of the shuttle fleet. The final flight of the shuttle program was STS-135, which was the last flight of Atlantis. The shuttle was retired on 11 July 2011, and the program was officially ended on 31 October 2011.