Tooltips

In this article, we would be discussing the **tooltip** plugin provided by bootstrap. Tooltip is quite useful for showing the description of different elements in the webpage. Tooltip can be invoked on any element in a webpage.
Tooltips on bootstrap depends on the 3rd party library **Tether** for positioning.

Hence, we need to include **tether.min.js** before **bootstrap.js**
Now let's see an example of a tooltip.

Now we will examine the **code** which generates the above tooltip

```
<!-- Tooltip on a header -->
<h3 data-toggle="tooltip" title="Hey! Tooltip here!">
    Hover Over me to see a tooltip
</h3>
```

In order to introduce tooltip, we add the data-toggle attribute to an element and we need to initialize the tooltip with jQuery.

jQuery code for initializing a tooltip:

```
<script>
// jQuery code for initializing a tooltip
$(document).ready(function ()
{
    // jQuery Attribute value selector to
    // select the specified element and
    // call the tooltip method on it
```

```
    $('[data-toggle="tooltip"]').tooltip();
});
</script>
```

We can even **customize** this tool-tip according to our requirement, let's explore different ways in which we can customize the tool-tip.

- **Placement of a tool tip** : We can place a tool tip at top, bottom, left and right of an element.

Example:

Code for the above example:

```
<!-- Tooltips on simple buttons -->
<!-- Placement of tooltips -->
<div class="row" style="margin:30px">
    <div class="col-2">
        <button type="button" class="btn btn-info"
         data-toggle="tooltip" data-placement="top"
         title="Information Button">
            Information
        </button>
    </div>
    <div class="col-2">
        <button type="button" class="btn btn-success"
         data-toggle="tooltip" data-placement="right"
         title="Success Button">
            Success
```

```
        </button>
    </div>

    <div class="col-2">
        <button type="button" class="btn btn-danger"
          data-toggle="tooltip" data-placement="bottom"
          title="Danger button">
            Danger
        </button>
    </div>
    <div class="col-2">
        <button type="button" class="btn btn-warning"
          data-toggle="tooltip" data-placement="left"
          title="Warning button">
            Warning
        </button>
    </div>
</div>
```

In the above code we have used the **data-placement** attribute in order to set the placement of tool tip, we have also used *row* and *col* classes provided by bootstrap grid system

- **Html within a tootip**: We can add html as a content of a tootip.
  Example:

Code for the above example:

```
<!-- Tooltip with html -->
<div class="row" style="margin:40px">
    <button type="button" class="btn btn-warning"
      data-toggle="tooltip" data-placement="left"
      data-html="true"
      title="<h4>Hey!</h4><p>Tooltip with html</p>">
        Warning
    </button>
</div>
```
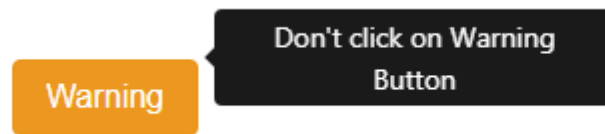
In the above code we have used the **data-html** attribute in order to add an html within a tool tip.

- **Offset for a Tooltip**: We can set the offset of the tool-tip relative to the target.
  Example:

Code for the above example:

```
<div class="row" style="margin:40px">
   <button type="button" class="btn btn-warning"
    data-toggle="tooltip" data-placement="right"
    data-offset ="20 0"
    title="Don't click on Warning Button">
      Warning
   </button>
</div>
```

In the above code we have used **data-offset** attribute to set the attribute

Note : Output of all the code below are non static hence, the output is not shown here.

- **Animation on a tooltip:**
  By default an animation is added to the tooltip, i.e it fades in and fades out we can remove this animation.

```
<!-- Removing animation from the tooltip -->
<div class="row" style="margin:40px">
   <button type="button" class="btn btn-warning"
    data-toggle="tooltip" data-placement="right"
    data-animation="false"
    title="Don't click on Warning Button">
      Warning
   </button>
</div>
```

- In the above code we have used the **data-animation** attribute and it is set to false in order to remove animation from the tooltip
- **Delay in appearance and disappearance**: We could set a time interval for appearance and disappearance of a tooltip.
  We can set a delay in two ways:
  1. We set **same delay time** for showing and hiding
     ```
     <!-- Delay in tooltip -->
     ```

```
<div class="row" style="margin:40px">
  <button type="button" class="btn btn-warning"
   data-toggle="tooltip" data-placement="right"
   data-delay="1000"
   title="Don't click on Warning Button">
     Warning
  </button>
</div>
```

2. In the above code we have used the **data-delay** attribute to delay the tool-tip number assigned to this attribute is in ms i.e tool tip will be delayed for 1000 ms.

3. We can add **different delay time** intervals for showing and hiding of tool-tip.

Html code:

```
<!-- Delay in tooltip -->
<div class="row" style="margin:40px">
  <button type="button" class="btn btn-warning"
   data-toggle="tooltip" data-placement="right"
   title="Don't click on Warning Button">
     Warning
  </button>
</div>
```

4. There is no changes in the html code.

jQuery code:

```
<script>
  $(document).ready(function ()
  {
    // jQuery Attribute value selector
    $('[data-toggle="tooltip"]').tooltip({
       delay: { "show": 1000, "hide": 2000 }
    });
  });
</script>
```

- **Triggering of the tool-tip**: We can add an event which will trigger a tooltip, by default a tooltip is triggered on *"hover and focus"*, various events that is allowed are,- click, hover, focus and manual.

```
<!-- triggering the  tooltip -->
<div class="row" style="margin:40px">
  <button type="button" class="btn btn-warning"
   data-toggle="tooltip" data-placement="right"
```

```
    data-trigger="click"
    title="Don't click on Warning Button">
        Warning
    </button>
</div>
```

- In the above code we have used the **data-trigger** attribute and value is set to be *click*, which means when user clicks on the element the tool-tip will appear