ng-mouseenter DIRECTIVE IN ANGULARJS

- **ng-mouseenter** directive is used to specify the custom behavior that execute when a mouse cursor enters the specific HTML element.

- In AngularJS, the **ng-mouseenter** directive will not override the HTML element's original **onmouseenter** event, both will be executed.

- The **ng-mouseenter** directive is compiling at the priority level **"0"** (zero is a default priority level).

- **ng-mouseenter** is supported by all HTML elements.

Syntax for ng-mouseenter directive in AngularJS:

<element ng-mouseenter= "expression" > </element>

Parameter value for ng-mouseenter directive in AngularJS:

Value	Description
expression	It is used to define an expression that execute when a mouse cursor enters the element.

Sample coding for ng-mouseenter directive in AngularJS:

```html
<!DOCTYPE html>
<html>
   <head>
      <title>Wikitechy AngularJS Tutorials</title>
      <script src="https://ajax.googleapis.com/ajax/libs/
                angularjs/1.5.6/angular.min.js">
      </script>
   </head>
   <body ng-app="">
      <h2> ng-mouseenter Directive in AngularJS </h2>
      <button ng-mouseenter="count = count + 1" ng- init="count=0">
          Mouse over here!
      </button>
      <h3> The mouseenter count : {{ count }} </h3>
   </body>
</html>
```

Code Explanation for ng-mouseenter directive in AngularJS:

```
<!DOCTYPE html>
<html>
    <head>
        <title>Wikitechy AngularJS Tutorials</title>
   1    <script src="https://ajax.googleapis.com/ajax/libs/
                    angularjs/1.5.6/angular.min.js">
        </script>
    </head>
   2
    <body ng-app="">
        <h2>ng-mouseenter Directive in AngularJS</h2>
                                                                        4
   3
        <button ng-mouseenter="count = count + 1" ng-init="count=0" >
            Mouse over here!
        </button>                                      5
        <h3>The mouseenter count :{{count}} </h3>
    </body>
</html>
```
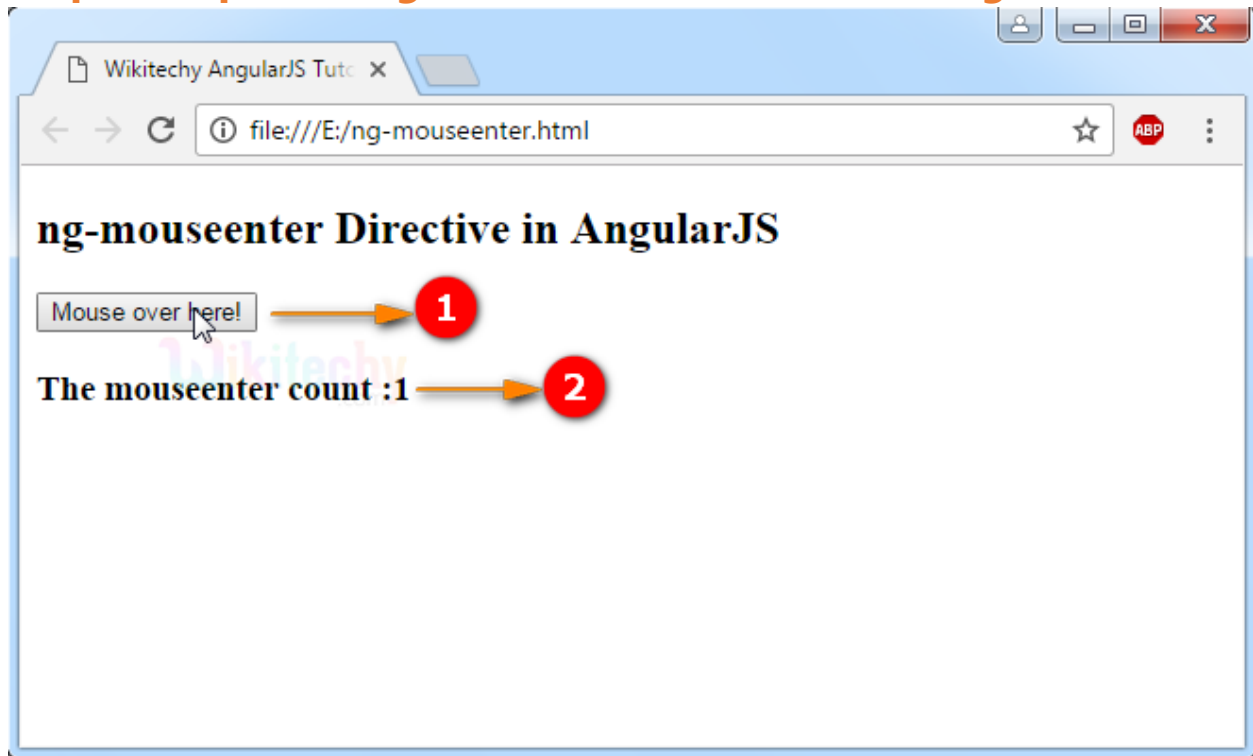
1. AngularJS is distributed as a JavaScript file, and can be added to a HTML page with a <script> tag.

2. The AngularJS application is defined by **ng-app=" ".** The application runs inside the **<body>** tag. It's also used to define a **<body>** tag as a root element.

3. The **ng-mouseenter= "count=count+1"** is used to increase the count variable by one, every time the mouse cursor enters the button element.

4. The **ng-init="count = 0 "** is used to define the initial value of the count variable is **"0".**

5. The **{{ count }}** is used to dynamically bind the count variable value when the user enter the mouse cursor on the button element.

Sample Output for ng-mouseenter directive in AngularJS:

1. The output displays that a mouse cursor enters on a **"Mouse over here!"** button.

2. The output shows that the content **"The mouseenter count:1"** when the mouse cursor enters the **"Mouse over here!"** button. Here the variable "count" will increased a value by 1, every time a mouse cursor enters the **"Mouse over here!"** button.