

## ng-keydown DIRECTIVE IN ANGULARJS

- **ng-keydown** directive is used to specify the custom behavior that execute when the keyboard is used on the specific HTML element.
- In AngularJS, the **ng-keydown** directive will not override the HTML element's original **onkeydown** event, both will be executed.
- The **ng-keydown** directive is executing at the priority level "0".
- **ng-keydown** is supported by `<input>`, `<select>`, `<textarea>`, and others editable HTML element.

### Difference between keypress and keydown:

#### Keydown:

- Fires when the user depresses a key.
- It repeats while the user keeps the key depressed.

#### Keypress:

- Fires when an actual character is being inserted in, for example, a text input.
- It repeats while the user keeps the key depressed.

## Syntax for ng-keydown directive in AngularJS:

```
<element ng-keydown="expression" > </element>
```

## Parameter value for ng-keydown directive in AngularJS:

Value	Description
expression	It is used to define an expression that execute when a key is pressed.

## Sample coding for ng-keydown directive in AngularJS:

```
<!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 > Wikitechy ng-keydown Directive in AngularJS </h2 >
    <input ng-keydown="count = count + 1" ng-init="count=0" >
    <h3 > The keydown count : {{ count }} </h3 >
  </body >
</html >
```

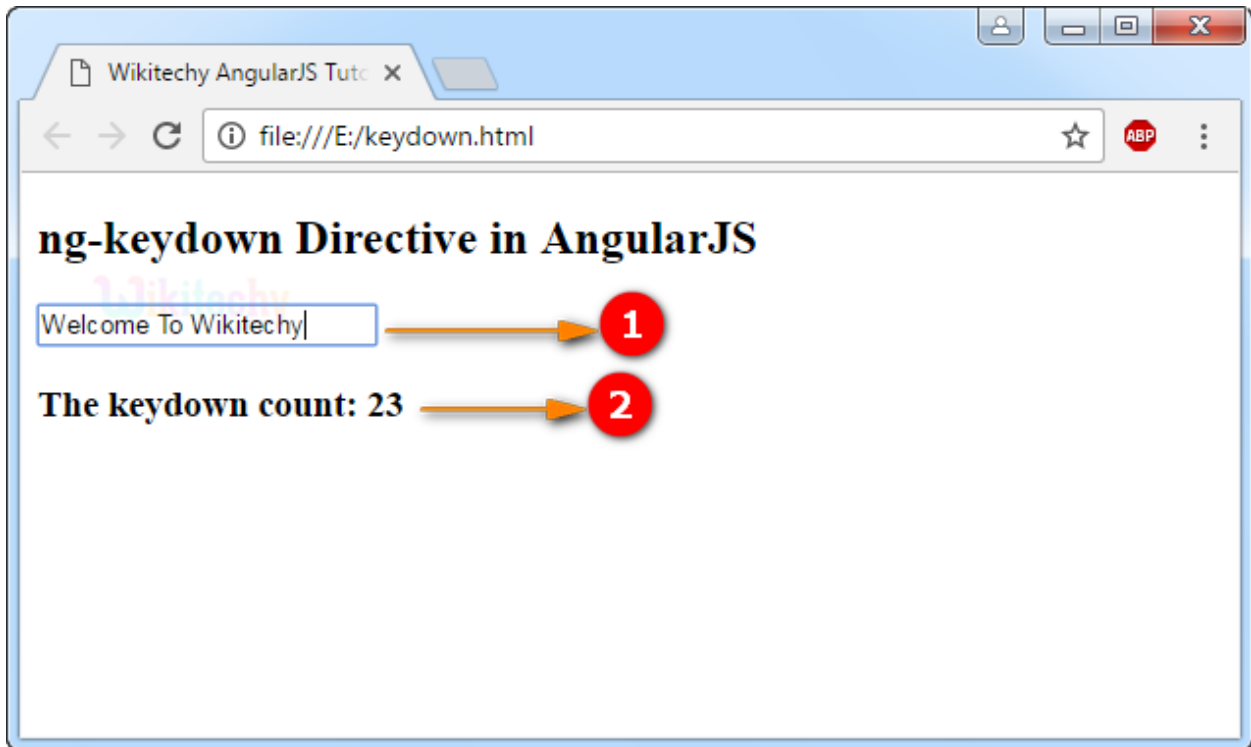


## Code Explanation for ng-keydown directive in AngularJS:

```
<!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>
    2 → </head>
    <body ng-app="">
      <h2>ng-keydown Directive in AngularJS</h2>
      <input ng-keydown="count = count + 1" ng-init="count=0" >
      <h3>The keydown count: {{count}}</h3>
    </body>
  </html>
    3 →
    4 →
    5 →
```

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-keydown="count=count+1"` is used to increase the count variable by one, every time the key is pressed in the input field.
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 press the key in the input field.

## Sample Output for ng-keydown directive in AngularJS:



1. The output displays the content **“Welcome To Wikitechy”** in the text box.
2. The output shows that the content **“The keydown count:23”** when the user typed the **“Welcome To Wikitechy”** in the text box. Here the variable “count” will increase the value by 1, every time a key is pressed in the text box.