

## ng-keyup DIRECTIVE IN ANGULARJS

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

### Difference between Keydown, keypress and keyup

#### 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.

#### Keypup:

- Fires when the user releases a key, after the default action of that key has been performed.



## Syntax for ng-keyup directive in AngularJS:

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

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

Value	Description
expression	It is used to define an expression that execute when a keypress is finished.

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

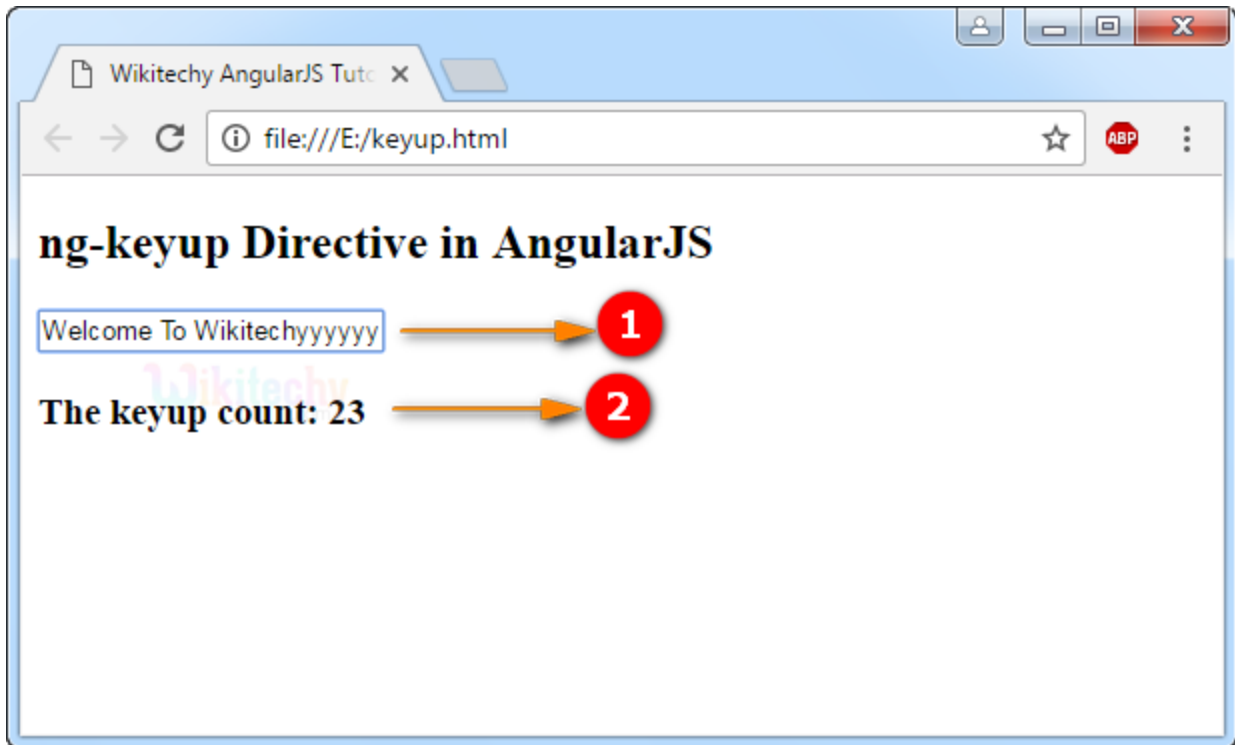
```
<!DOCTYPE html >
<html >
  <head >
    <title >Wikitechy AngularJS Tutorials </title >
    <script src="https://ajax.googleapis.com/ajax/libs/
      angularjs/1.5.6/angular.min.js" >
    </script >
  </head >
  <body ng-app="" >
    <h2 > Wikitechy ng-keyup Directive in AngularJS </h2 >
    <input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

## Code Explanation for ng-keyup 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-keyup Directive in AngularJS</h2>
        3 → <input ng-keyup="count = count + 1" ng-init="count=0" >
        <h3>The keyup count: {{count}}</h3>
        4 →
    </body>
    5 → </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-keydown="count=count+1"` is used to increase the count variable by one, every time a keypressed in the input field is finished.
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-keyup directive in AngularJS:



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