

ng-keypress DIRECTIVE IN ANGULARJS

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

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



Parameter value for ng-keypress directive in AngularJS:

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

Sample coding for ng-keypress 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-keypress Directive in AngularJS </h2 >
    <input ng-keypress = "count = count + 1" ng-init = "count = 0" >
    <h3 > The keypress count : {{ count }} </h3 >
  </body >
</html >
```

Code Explanation for ng-keypress 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-keypress Directive in AngularJS</h2>
    3 → <input ng-keypress="count = count + 1" ng-init="count=0" >
    <h3>The keypress 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-keypress="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-keypress 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:20”** 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.