

ng-minlength DIRECTIVE IN ANGULARJS

- The **ng-bind-minlength directive** in AngularJS used to restrict an input field with some limitation for the input fields.
- This directive specifies the minimum number of characters allowed inside the input field.
- It is always used for text-based **input** controls but also applied for custom text-based controls.
- The ng-minlength directive will add an "invalid" state of the input field it means specifies the length of the value is minimum.

Syntax for ng-minlength directive in AngularJS:

```
<input type="text" ng-minlength="number" ></input>
```

Parameter Values:

Value	Description
number	Denotes the minimum number of characters legal for the input field.

Sample coding for ng-minlength directive in AngularJS:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Wikitechy AngularJS Tutorial</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.6/angular.min.js">
    </script>
  </head>
  <body>
    <form ng-app="" name="form" ng-init="minlength=4" >
      <h3>ng-minlength Directive example in AngularJS Tutorial</h3>
      Set a maxlength
      <input type="number" ng-model="minlength" />
      <br/> <br/>
      Enter the text or Number:
      <input type="text" ng-model="value" name="input" ng-
minlength="minlength" /> <br/> <br/>
      <p>Form.input.$valid = {{form.input.$valid}}</p>
      <p>Model = {{value}}</p>
    </form>
  </body>
</html>
```

Using ng-minlength directive in AngularJS

```
<input type="text" ng-model="value" name="input" ng-  
minlength="minlength" /> <br/> <br/>
```

- Here ng-minlength directive specifies the minimum number of characters allowed in the input field.

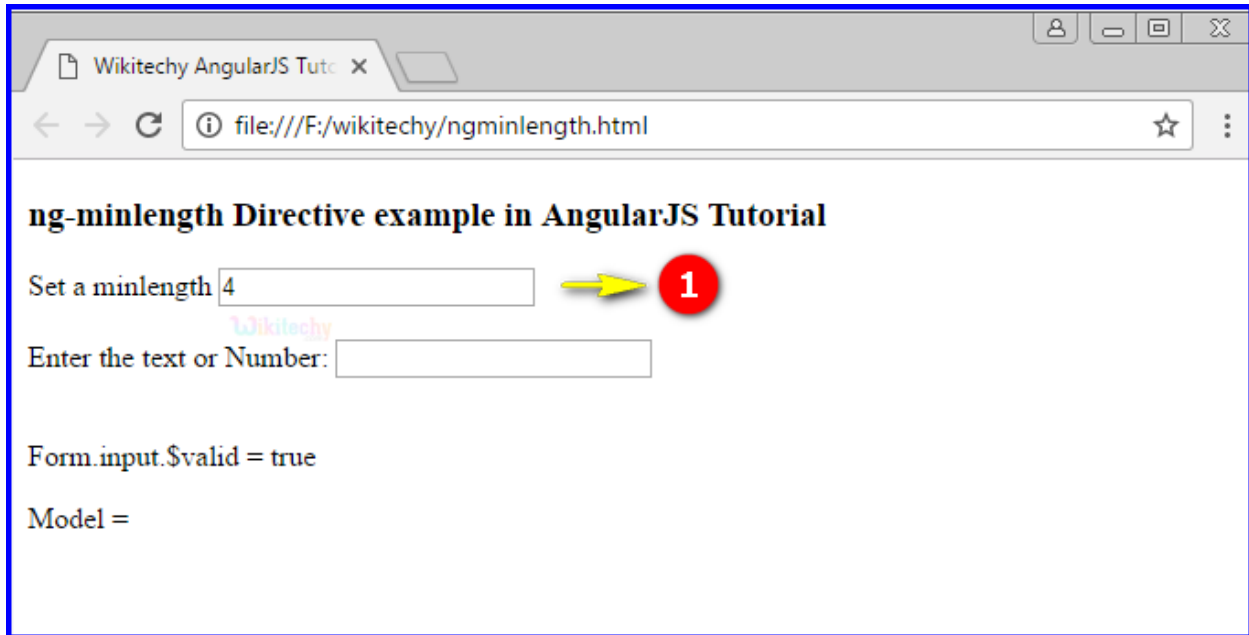
Code Explanation for ng-maxlength directive in AngularJS:

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>Wikitechy AngularJS Tutorial</title>  
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/  
      1.5.6/angular.min.js"></script>  
  </head>  
  <body>  
    <form ng-app="" name="form" ng-init="minlength=4" >  
      <h3>ng-minlength Directive example in AngularJS Tutorial</h3>  
      Set a minlength  
  
      <input type="number" ng-model="minlength" />  
      <br/><br/>  
      Enter the text or Number:  
  
      <input type="text" ng-model="value" name="input"  
      ng-minlength="minlength" /><br/><br/>  
      <p>Form.input.$valid = {{form.input.$valid}}</p>  
      <p>Model = {{value}}</p>  
    </form>  
  </body>  
</html>
```

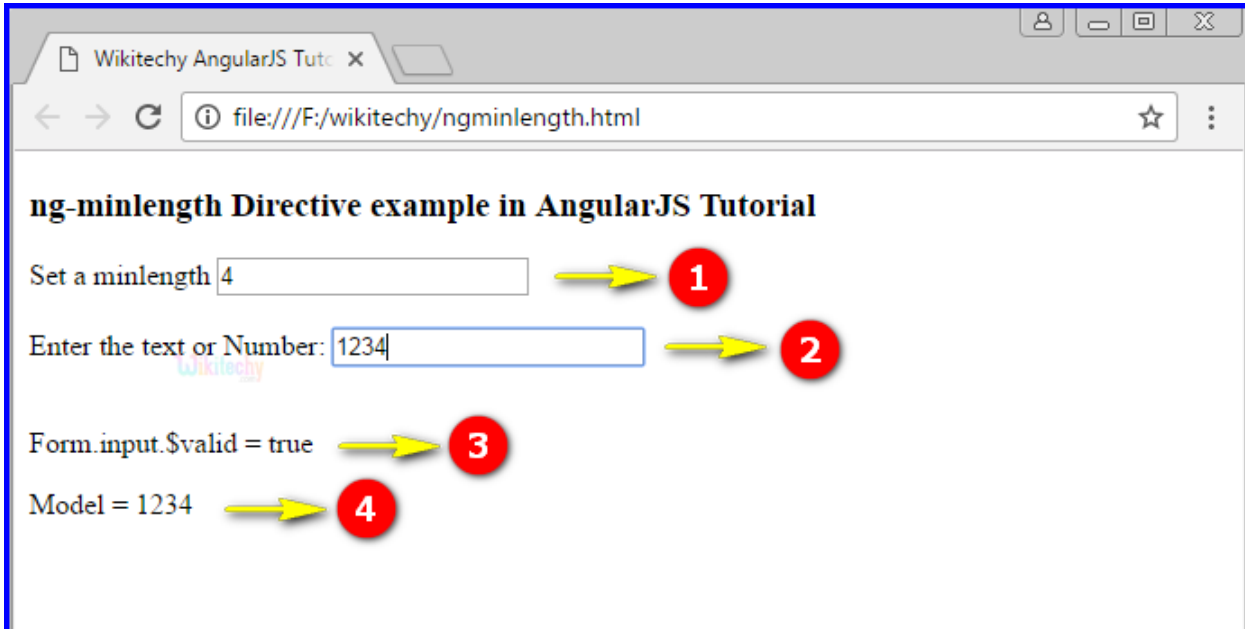
1. The **ng-app** specifies the root element (e.g. <body> or <html> or <div> tags) to define AngularJS application.
2. The **ng-init** is used to initialize the values for an application.(here the value 4 is mentioned for "minlength")
3. "**number**" is declare the **type** value of the <input> tag.
4. The **ng-model** bind an input field value to AngularJS application variable ("**minlength**").
5. The "**text**" is declare the **type** value of the <input> tag.
6. The **ng-model** bind an input field value to AngularJS application variable ("**value**").
7. The **ng-minlength** directive used for specifies the minimum number of characters allowed in the input field. Here "**minlength**" is declare the ng-minlength value of the <input> tag.
8. **Form.input.\$valid** to checks the valid minlength format or not. If the specified minlength is correct and the output displays true otherwise false.



Sample Output for ng-minlength directive in AngularJS:



1. The output displays the default value of minlength as "4".



ng-minlength Directive example in AngularJS Tutorial

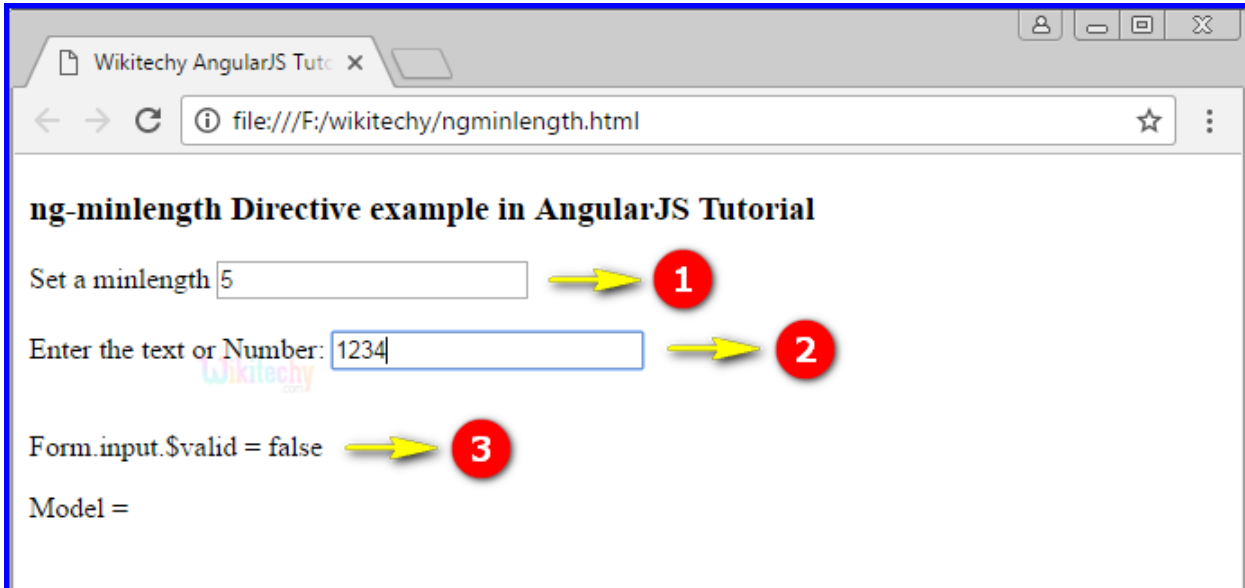
Set a minlength 4 → 1

Enter the text or Number: 1234 → 2

Form.input.\$valid = true → 3

Model = 1234 → 4

1. The output displays the default value of minlength as "4".
2. If the user type the number in the inputfield.
3. The output displays the true because the minlength value is 4.
4. The output displays the model as "1234".



ng-minlength Directive example in AngularJS Tutorial

Set a minlength → 1

Enter the text or Number: → 2

Form.input.\$valid = false → 3

Model =

1. If the user set the minlength value as 5.
2. If the user type the number (1234) in the input field.
3. The output displays the false because it is less than the minlength value.

Tips and Notes

- The **ngMinlength** does not set the **minlength** attribute.
- The ngMinlength directive must be an expression, while the minlength attribute value must be interpolated.
- If the value is empty, it is considered as a valid.

