

# LU05.S12 - v-show simple applied to texts

## Hints

- Download the file and copy the content into the code area of the W3School on the left hand side of the coding window.
- You can execute the code by pressing the *run* button
- The result will be presented in the right hand side of the window.

## Assignment

1. Click the link above to the code-exambpe to get to the W3School-TryOut area.
2. Save the code with a suitable name
3. Have it run by clicking the *run-button*.
4. Change the status of the variable *showDiv* within the values true and false, and observe the result carefully.
5. What happens if you set the values of the variable *showDiv* to -1, 0, 1, 2, etc.
6. Note the result as a html-comment und beobachten Sie die Reaktion der Applikation.
7. Save your result, you may need it as a exam-preparation.

### Codesolution of v-show simple

The screenshot shows the W3Schools TryIt Editor interface. On the left, the code editor contains the following Vue.js code:

```

<head>
  <title>v-show</title>
  <style>
    #app {
      border: black dashed 1px;
      width: 200px;
      padding: 0 20px 20px 20px;
    }
    #app div {
      padding: 20px;
      background-color: lightgreen;
      font-weight: bold;
    }
  </style>
</head>
<body>

<h1>Example: v-show Visibility of Div Element</h1>
<div id="app">
  <p>Find the 'showDiv' data property in the code, change it to 'false', and run the code again.</p>
  <div v-show="showDiv">This div tag can be hidden</div>
</div>

<script src="https://unpkg.com/vue@3/dist/vue.global.js"></script>
<script>
  const app = Vue.createApp({
    data() {
      return {
        showDiv: 0
      }
    }
  })
  app.mount('#app')
</script>

```

The code includes a note: "Find the 'showDiv' data property in the code, change it to 'false', and run the code again." A red box highlights the line `<div v-show="showDiv">This div tag can be hidden</div>`. Another red box highlights the `showDiv` variable definition in the script.

On the right, the browser's developer tools are open, showing the DOM structure. The `Elements` tab is selected, displaying the following tree:

```

<html>
  <head> ... </head>
  <body contenteditable="false">
    <h1>Example: v-show Visibility of Div Element</h1>
    <div id="app" data-v-app>
      <p>...</p> == $0
      <div style="display: none;">This div tag can be hidden</div>
    </div>
    <script src="https://unpkg.com/vue@3/dist/vue.global.js"></script>
    <script>...</script>
  </body>

```

A red box highlights the `style="display: none;"` rule on the `<div>` element. The bottom of the developer tools shows the `Styles`, `Computed`, `Layout`, and `Event Listeners` tabs.



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