

How to Fix ReferenceError: \$ is Not Defined in JavaScript

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ReferenceError in JavaScript

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The JavaScript `ReferenceError: $ is not defined` occurs when the jQuery library is used but is not properly loaded or is not available in the current scope of the code.

In JavaScript, the `$` symbol is often used as a shorthand alias for the jQuery library. This error indicates that the code is trying to use jQuery functionality by referencing the `$` symbol, but the library is not available or has not been loaded correctly.

What Causes Javascript ReferenceError: \$ is Not Defined

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This error can occur for several reasons, such as:

- The jQuery library is not included in the script that references it.
- The library is included with a typo or error in the script
- The script is executed **before the jQuery library is loaded**, which can be caused by incorrect placement of the `script` tag in the HTML file.
- The code is running in a different scope or environment where the `$` symbol is not defined or has a different meaning.

ReferenceError: \$ is Not Defined Example

Here's an example of a Javascript `ReferenceError: $ is not defined` thrown when jQuery is not properly loaded in a script that uses it:

```
<html>
<head>
  <title>Example</title>
</head>
<body>
  <button id="myButton">Click me</button>
  <script>
    $(document).ready(function() {
      $('#myButton').click(function() {
        alert('Button clicked!');
      });
    });
  </script>
</body>
</html>
```

In this example, the code is trying to use the jQuery library. Since jQuery is not included in the above script, running it throws the error:

```
Uncaught ReferenceError: $ is not defined
```

How to Fix ReferenceError: \$ is Not Defined

To fix the `ReferenceError: $ is not defined` error, jQuery should be properly loaded before any code that references it is executed. This can be done by including the library in the HTML file using a `script` tag, either by downloading the library and hosting it locally or by using a content delivery network (CDN) link.

Any syntax errors or typos in the script should also be checked, as they may prevent jQuery from loading correctly.

The earlier example can be updated to fix the error by using the above approach:

```
<html>
<head>
  <title>Example</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
</head>
<body>
  <button id="myButton">Click me</button>
  <script>
    $(document).ready(function() {
      $('#myButton').click(function() {
        alert('Button clicked!');
      });
    });
  </script>
</body>
</html>
```

Here, the jQuery library is included using a `script` tag with a CDN link. This makes it available to be used in the script, which avoids the `ReferenceError: $ is not defined` error.

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