

Antwoorden JavaScript Technology Extensions 1

Vraag 1 van 16

Which of the following is NOT true of a JavaScript plug-in?

- A. Every pre-made script is a library.
- B. Functions performed by plug-ins are more specialized than generalized.
- C. Plug-ins cannot be used without the library they depend upon.
- D. JavaScript plug-ins are different from browser plug-ins.

Antwoordtoets: A

Feedback:

Every plug-in is a pre-made script, but not the other way around. Plug-ins are specialized pre-made scripts that need a library to run, whereas other pre-made scripts can be used on their own.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 2 van 16

Which of the following characters is used by jQuery as a reference to itself?

- A. _
- B. \$
- C. @
- D. #

Antwoordtoets: B

Feedback:

The \$ (dollar) symbol is used by jQuery as a shortcut to reference itself (also some other libraries). To release the reference of the dollar symbol, the **jQuery.noConflict()** method is used.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 3 van 16

Which of the following is NOT eligible for copyright?

- A. A generic code snippet that does not perform a specific task.
- B. A unique block(s) of code.
- C. The work that generates revenue.
- D. A task-specific code block.

Antwoordtoets: A

Feedback:

Unique blocks of code that perform a specific task are eligible for copyright. Code blocks that are used to generate revenues are eligible for copyright. A generic code snippet that does not perform a specific task may not be eligible for copyright.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 4 van 16

Which of the following is a disadvantage of using the JavaScript library?

- A. Using a JavaScript library does not guarantee high-quality, secure code.
- B. Each library is browser-specific, thus the code provided will be browser-specific.
- C. Developing Progressive Web Applications with enhanced UI using JavaScript libraries will be a complex task.
- D. Libraries are not available to the public; you must either work for a company that provides one or purchase a membership.

Antwoordtoets: A

Feedback:

A disadvantage to using JavaScript libraries is that libraries cannot guarantee quality. You must do some research to ensure that the resources you use are high-quality, reputable and, above all, safe. Malicious code can easily be substituted into the library by hackers or even the site owner. The other choices are false: Most libraries are mature versions, so the bugs have been worked out. The code in JavaScript libraries is intended to be as platform-independent as possible, so most code will have wide cross-browser compatibility (although like all JavaScript, the code will not necessarily behave identically in all browsers). Libraries are plentiful and widely available for developers to download and use, and many are provided as freeware.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 5 van 16

With the `<script></script>` tag, the developer instructs the HTML interpreter to load with which of the following external script (src) types?

- A. `text/javascript`
- B. `application/javascript`
- C. `text/jscript`
- D. `text/ecmascript`

Antwoordtoets: A

Feedback:

Users can reference an external JavaScript file using the following syntax:

```
<script src="script.js" type="text/javascript" charset="utf-8"></script>
```

where, `script.js` is a standard file name for the text file containing the JavaScript code (or a library plug-in) for the functionality they want to add to the page.

With the **`<script></script>`** tag, the developer instructs the HTML interpreter to load an external script (src) with the type **`text/javascript`**.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 6 van 16

Sharon has created a JavaScript library, and now she wants to use it. Which of the following statements follows the correct syntax to link the library in her HTML page?

- A. `<script type="external/javascript" href="/library.js"></script>`
- B. ``
- C. `<script type="text/javascript" src="/library.js"></script>`
- D. `</script>`

Antwoordtoets: C

Feedback:

The correct syntax to import an external script into a document is:

```
<script type="text/javascript"
src="/location_of_the_script/Script_name.js"></script>
```

It tells the interpreter to load an external script of type text/javascript. In the given scenario, Sharon would follow the following correct syntax to link the library in her document:

```
<script type="text/javascript" src="/library.js"></script>
```

(Bron: <https://www.ciwcertified.com/>.)

Vraag 7 van 16

Which of the following is a disadvantage associated with the use of JavaScript frameworks?

- A. The use of frameworks extends a project's development period by a considerable time.
- B. All JavaScript frameworks cost a significant amount to developers.
- C. JavaScript frameworks are not safe to use, as they contain a significant amount of open vulnerabilities.
- D. JavaScript frameworks are large in size.

Antwoordtoets: D

Feedback:

The main disadvantage associated with the use of JavaScript frameworks is its large size. When developing lightweight projects, a developer may not even use all the features of a framework. The use of JavaScript frameworks saves a lot of development time. Most of the top-level JavaScript frameworks are free, open-source, and thoroughly tested.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 8 van 16

Which of the following is the most popular and standardized JavaScript library?

- A. jQuery
- B. Spry
- C. Prototype
- D. Dojo

Antwoordtoets: A

Feedback:

The most popular and standardized JavaScript library is jQuery. It has been the industry standard for many years, has the widest selection of plug-ins, and is the most mature.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 9 van 16

In the following code, which keyword will indicate the interpreter that it is a jQuery script?

```
$(function(){
    $('input').click(function(){
        var ourText = $('p');
        var currFontSize = ourText.css('fontSize');
        var finalNum = parseFloat(currFontSize, 10);
        var stringEnding = currFontSize.slice(-2);
        if(this.id == 'large') {
            finalNum *= 1.2;
        }
        else if (this.id == 'small'){
            finalNum /=1.2;
        }
        ourText.css('fontSize', finalNum + stringEnding);
    });
});
```

- A. click(function())
- B. \$(function())
- C. \$('input')
- D. var ourText = \$('p');

Antwoordtoets: B

Feedback:

The **\$(function())** keyword tells the interpreter that this is a jQuery script. The dollar sign (\$) is an alias for jQuery. Although you can use the \$ sign for other things in code, it is a standard syntax for jQuery. Most jQuery scripts use \$ signs for the variables that they implement.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 10 van 16

What is a JavaScript library?

- A. A collection of external scripts with a well-defined interface.
- B. A collection of manuals about JavaScript methods.
- C. A collection of copyrighted JavaScript code.
- D. A directory that contains all the external scripts used in a webpage.

Antwoordtoets: A

Feedback:

JavaScript libraries are collections of external scripts that have a well-defined interface. They define the behavior of the code which is then implemented by developers. Libraries enhance the functionality of already available methods to make it easier to access and use JavaScript.

(Bron: <https://www.ciwcertified.com/>)

Vraag 11 van 16

Which of the following statements is identified as a jQuery statement by the interpreter?

- A. `document.write()`
- B. `var a = 10;`
- C. `jquery(document).ready()`
- D. `$("button").click()`

Antwoordtoets: D

Feedback:

The **\$** (dollar) symbol is used as a shortcut to reference jQuery code, and it identifies the code as jQuery in a script. The statement **(jquery(document).ready())** has an error, it uses jquery instead of jQuery. So the correct statement would be:

```
jQuery(document).ready()
```

(Bron: <https://www.ciwcertified.com/>)

Vraag 12 van 16

Which of the following is NOT true of copyleft?

- A. GNU GPL (General Public License) is an example of a copyleft license.
- B. Copyleft requires that the source code be made available.
- C. Developers can use copyleft licensed libraries free of cost.
- D. A code library that uses another copyleft library can be distributed for a charge.

Antwoordtoets: D

Feedback:

Copyleft requires that a code library that is a modification of another copyleft licensed library is to be distributed free of charge (royalty-free). Developers can use copyleft licensed libraries free of cost. They can modify and reproduce a library also. Copyleft requires that the source code be made available. GNU GPL is an example of a copyleft license. GNU General Public License is an example of a copyleft license.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 13 van 16

Which CSS property sets the stack order for specific elements on a webpage?

- A. @keyframes
- B. position
- C. top
- D. z-index

Antwoordtoets: D

Feedback:

z-index is a CSS property that sets the stack order for specific elements on a webpage. An element with greater stack order always appears on the webpage in front of another element with a lower stack order.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 14 van 16

Which of the following code blocks calls a function `example()` from an external script `sample.js`?

- A. `<script type="text/javascript" src="sample.js">example();</script>`
- B. `<script type="text/javascript" src="sample.js">onload example();</script>`
- C. `<script type="text/javascript" src="sample.js\example()">example();</script>`
- D. `<script type="text/javascript" src="sample.js" onload="example()"></script>`

Antwoordtoets: D

Feedback:

In the given code snippet, the **onload** call inside the **<script>** element can be used to call a function **example()** from an external script, namely, **sample.js**, as soon as the page finishes loading.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 15 van 16

Which JavaScript library is used quite often for graphical/AJAX-type applications?

- A. Spry
- B. Angular
- C. MooTools
- D. jQuery

Antwoordtoets: C

Feedback:

MooTools is a relative newcomer to the library scene, and it is used quite often for graphical/AJAX-type applications.

(Bron: <https://www.ciwcertified.com/>.)

Vraag 16 van 16

Why would you use a JavaScript library?

- A. To speed up the development time and write better code.
- B. To extend the DOM and make code development less tedious.
- C. To allow the end users and novices to write advanced JavaScript code.
- D. To perform complex actions.

Antwoordtoets: A

Feedback:

JavaScript libraries provide an excellent way to reduce development time and write better code. JavaScript developers use code libraries to speed up the development time by copying and pasting instead of manually coding basic scripts.

(Bron: <https://www.ciwcertified.com/>.)