JS **JavaScript**
T U T O R I A L

Web Development Tools

Summary: in this tutorial, you will learn how to open the Console tab of web development tools to view the messages.

Web development tools allow you to test and debug the JavaScript code. Web development tools are often called devtools.

Modern web browsers such as Google Chrome, Firefox, Edge, Safari, and Opera provide the devtools as built-in features.

Generally, devtools allow you to work with a variety of web technologies such as HTML, CSS, DOM, and JavaScript.

In this tutorial, you will learn how to open the Console tab of the devtools to view messages output by JavaScript.

Google Chrome

First, open the devtools.html file.

The `devtools.html` file has the following JavaScript code:

```
<script>
    console.log('Hello, devtools!');

    // the following code causes an error
    let greeting = msg;
</script>
```
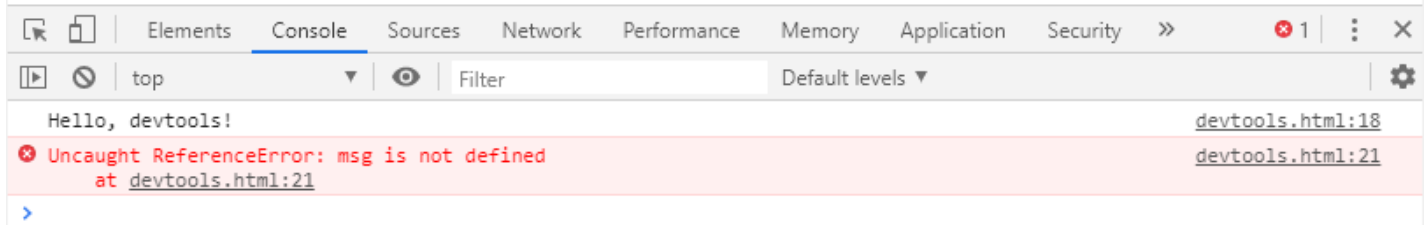
Second, press `F12` on Windows or `Cmd+Opt+J` if you are on Mac.

The devtools will open the Console tab by default. It will look like this:

Devtools - console tab tutorial

Press F12 to view the Console tab of the dev tool

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```
  Hello, devtools!                                                          devtools.html:18
⊗ Uncaught ReferenceError: msg is not defined                              devtools.html:21
      at devtools.html:21
>
```

The first message is `'Hello, DevTools!'` which is the output of the following command:

```
console.log('Hello, DevTools!');
```

To output the value of the variable, you use the following `console.log()` method. For example:

```
let message = 'Good Morning!';
console.log(message);
```

The second message that appears on the Console tab is an error.

```
Uncaught ReferenceError: msg is not defined
```

This is because the variable `msg` has not been defined in the code but was referenced in the assignment.

Now, you can see both normal messages issued by the `console.log()` and the error messages. It's enough to start. We'll dive into the devtools in the later tutorial.

Firefox and Edge

Typically, you open the Console tab of the devtools in Firefox and Edge using `F12`. They have similar user interfaces.

Safari