



# Topic 9: JavaScript

## Introduction

# Lecture Contents



- Browser Console
- Console Snippets
- JavaScript Resources

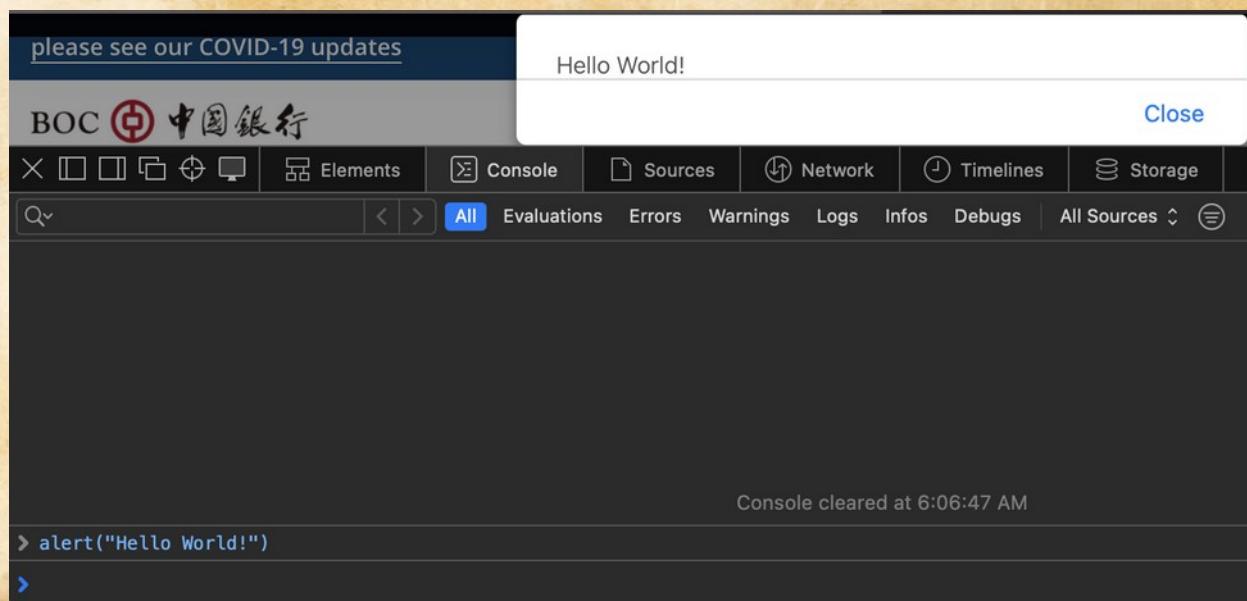
# Browser Console



- Open a browser console, and at the prompt, type the following, then press `<enter>` (don't type the prompt character, “`>`”):  
`> alert("Hello World!")`

# Browser Console

- Open a browser console, and at the prompt, type the following, then press *<enter>* (don't type the prompt character, “>”):  
  
> alert("Hello World!")

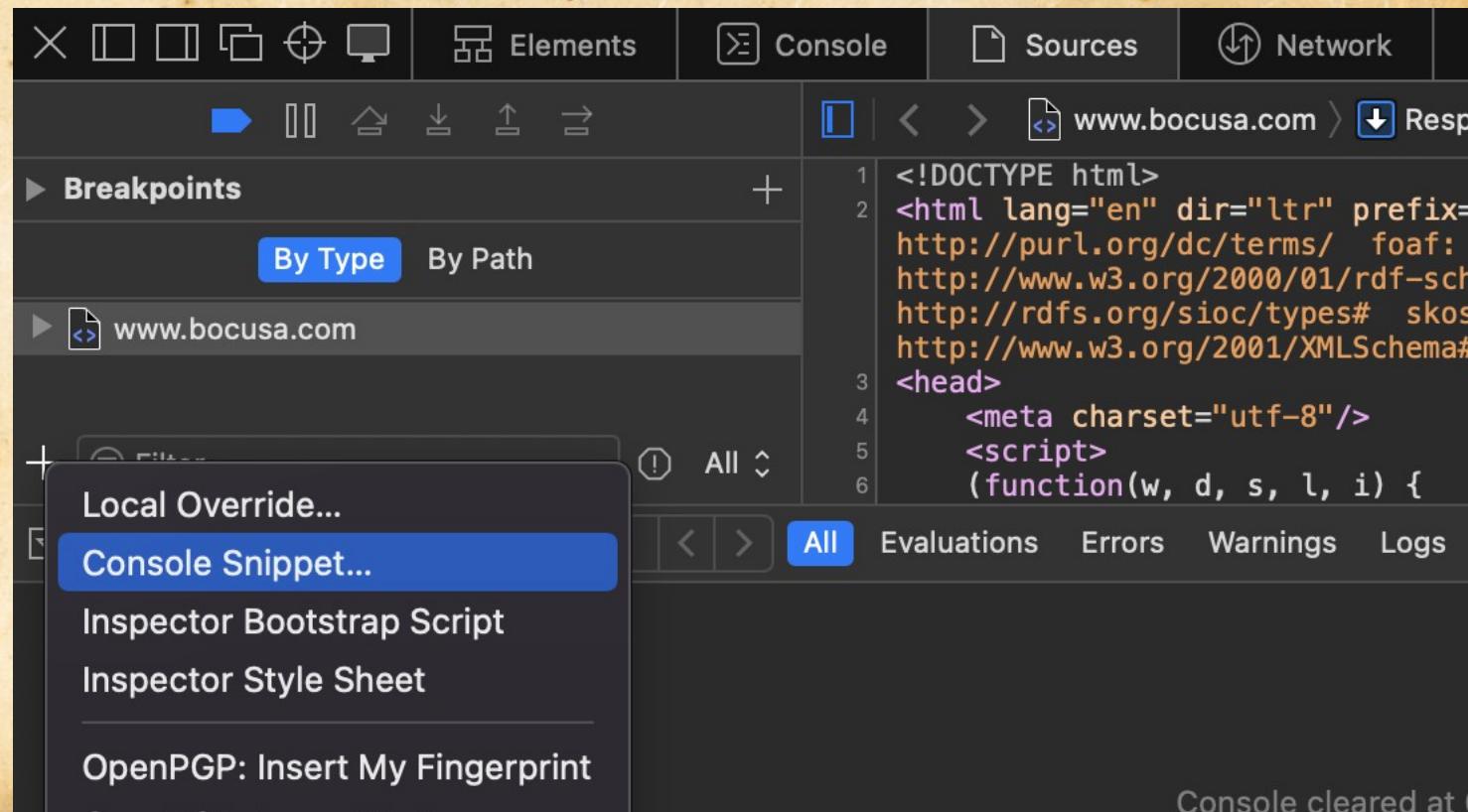


# Browser Console

- Open a browser console, and at the prompt, type the following, but this time, hold *<shift>* and press *<enter>* :
  - > `alert("Hello World!")`
- Then type the following, and then press *<enter>* :
  - > `alert("How are you?")`

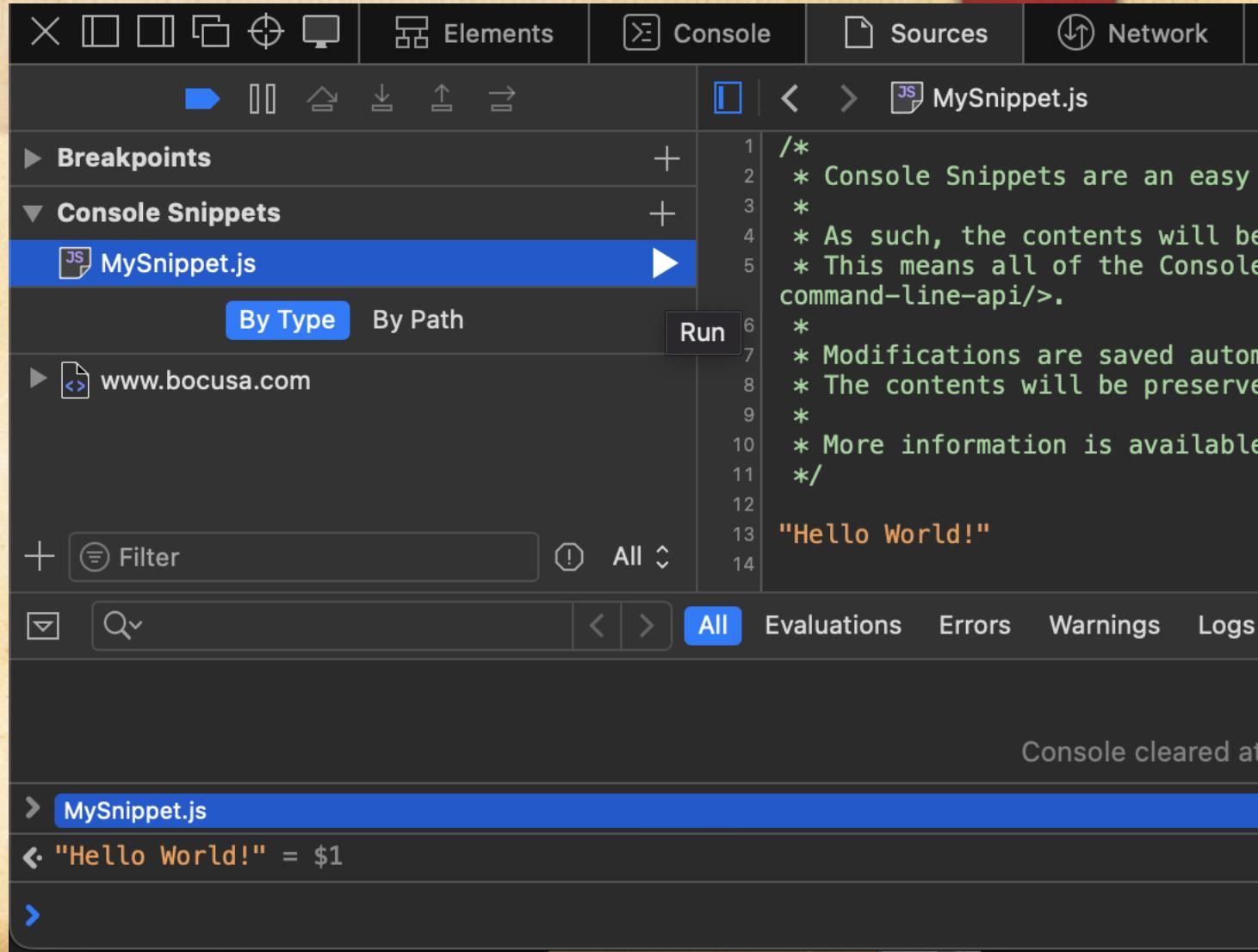
# Console Snippets

- Go to the “Sources” tab and create a new console snippet...



# Console Snippets

- The triangle will run the script.



The screenshot shows the Chrome DevTools interface with the 'Console' tab selected. In the left sidebar, under 'Console Snippets', a snippet named 'MySnippet.js' is listed with a blue run button to its right. The main content area displays the following code:

```
/*
 * Console Snippets are an easy
 *
 * As such, the contents will be
 * This means all of the Console
command-line-api/>.

*
 * Modifications are saved autom
 * The contents will be preserve
*
 * More information is available
*/
"Hello World!"
```

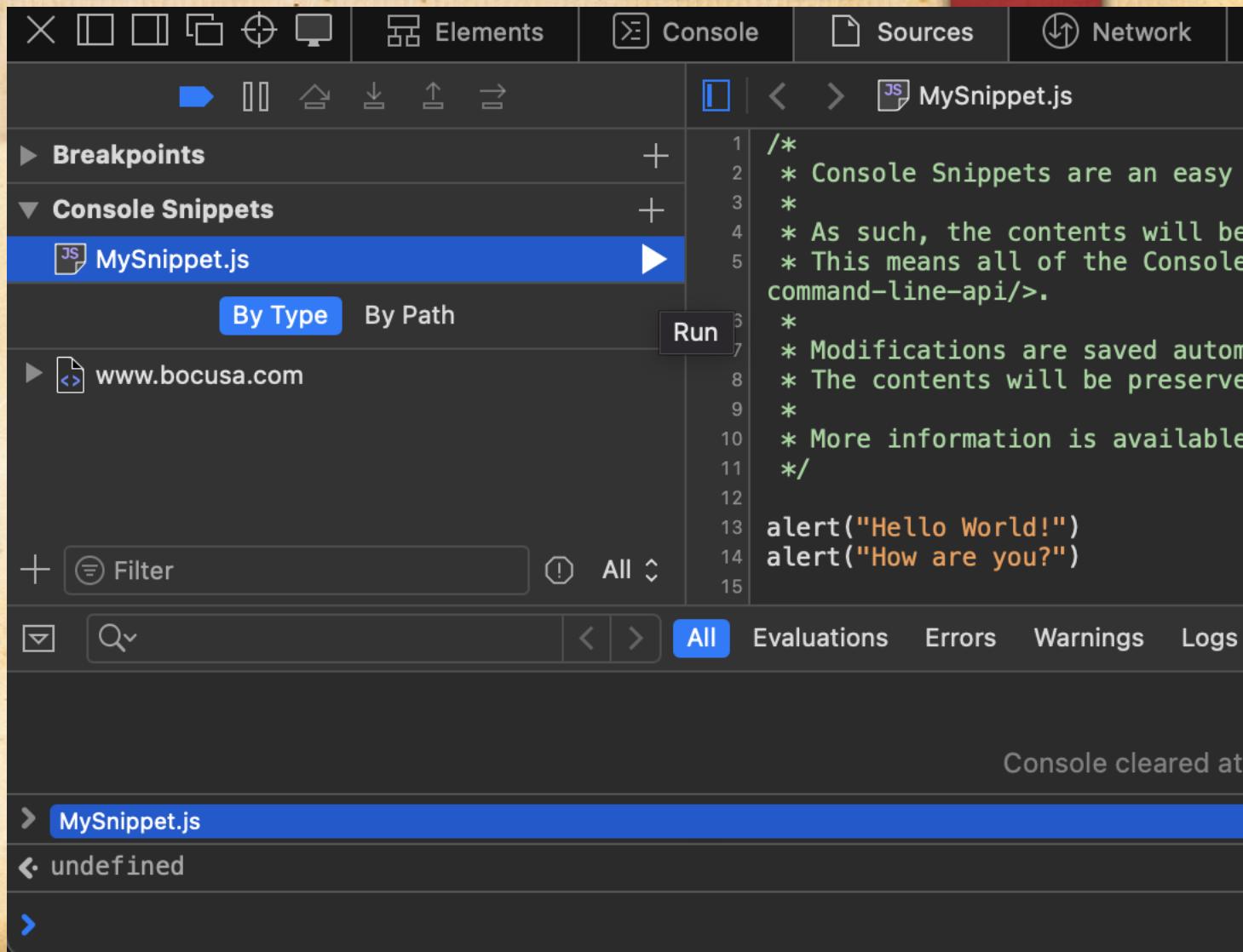
Below the code, the console output shows the result of running the snippet:

```
> MySnippet.js
< "Hello World!" = $1
```

The status bar at the bottom right indicates "Console cleared at".

# Console Snippets

- Add a few lines of code to your snippet



The screenshot shows the Chrome DevTools interface with the 'Console' tab selected. The left sidebar has 'Console Snippets' expanded, and 'MySnippet.js' is selected. The main area displays the following code:

```
/*
 * Console Snippets are an easy
 * 
 * As such, the contents will be
 * This means all of the Console
command-line-api/>.
*
* Modifications are saved autom
* The contents will be preserve
*
* More information is available
*/
alert("Hello World!")
alert("How are you?")
```

Below the code, the 'Console' tab shows the following history:

- MySnippet.js
- undefined

At the bottom, a message reads "Console cleared at".

Message



```
alert("Hello");
```



function

T  
End

LET'S EAT GRANDMA.  
LET'S EAT, GRANDMA.

COMMAS SAVE LIVES

**Jane enjoys  
cooking her family  
and her dog.**

**Use a comma, save a life.**



# JavaScript Style Guide



- Refer to this guide if you want to know the proper style:

<https://github.com/rwaldron/idiomatic.js/>

# JavaScript Resources



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# JavaScript

JavaScript (JS) is a lightweight interpreted (or [just-in-time](#) ↗ compiled) programming language with [first-class functions](#). While it is most well-known as the scripting language for Web pages, [many non-browser environments](#) ↗ also use it, such as [Node.js](#), [Apache CouchDB](#) ↗ and [Adobe Acrobat](#) ↗. JavaScript is a [prototype-based](#), multi-paradigm, [single-threaded](#), [dynamic](#) language, supporting object-oriented, imperative, and declarative (e.g. functional programming) styles.



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