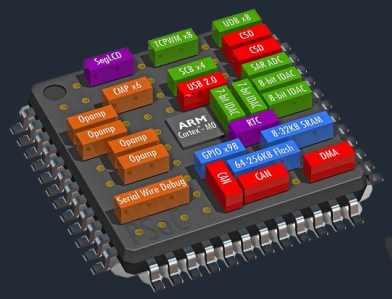
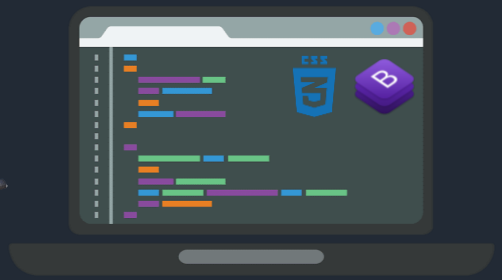
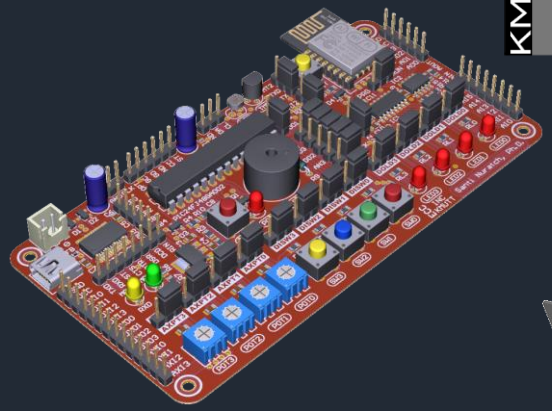
INC281
2020

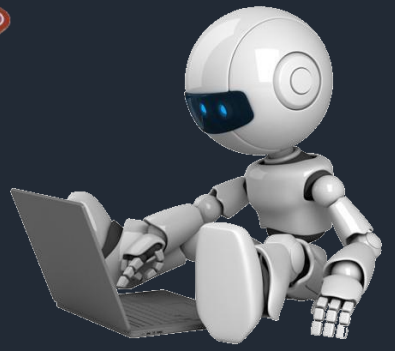
INC281-Lec-Lab-03

JavaScript Programming









We Make Computers do More

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JavaScript

JavaScript was initially created to "make web pages alive"

JavaScript can be written right in a web page's HTML and run automatically

Today, JavaScript can execute not only in the browser, but also on the server, or actually on any device that has a special program called the JavaScript engine.

In-browser JavaScript can do everything related to webpage manipulation, interaction with the user, and the webserver. For instance, in-browser JavaScript is able to:

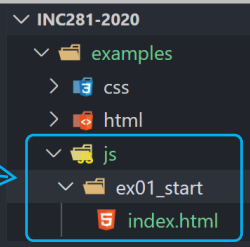
- Add new HTML to the page, change the existing content, modify styles.
- React to user actions, run on mouse clicks, pointer movements, key presses.
- Send requests over the network to remote servers, download and upload files (so-called AJAX and COMET technologies).
- Get and set cookies, ask questions to the visitor, show messages.
- Remember the data on the client-side ("local storage").

JavaScript programs can be inserted into any part of an HTML document with the help of the <script> tag. (Check the next page for example).

https://javascript.info/js

Getting Started with JavaScript

1) Create a web page, index.html and save it in the js/ex01_start directory
2) Edit the index.html as shown below
3) Save and run index.html, then check the result in the web browser



File Edit Selection View Go Run Terminal Help — index.html - INC281-2020 - Visual Studio Code

EXPLORER

OPEN EDITORS

INC281-2020
- examples
  - css
  - html
  - js
    - index.html U
  - resources
  - README.md

OUTLINE

index.html

examples > js > index.html > ...

```
1  <html>
2  <head>
3      <title>JS in HTML</title>
4  </head>
5  <body>
6
7      <script>
8          document.write("Hello, JavaScript!");
9          console.log("Hello, JavaScript!");
10         alert("Hello, JavaScript!");
11     </script>
12
13 </body>
14 </html>
15
```

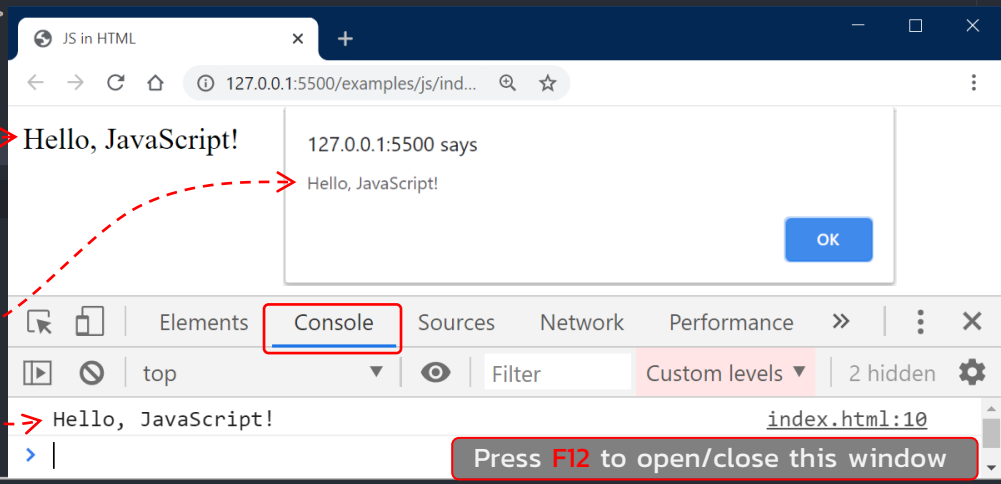
Right-click and choose Open with Live Server to run the application

Write to the document body
Write to the console window
Write to the alert dialog

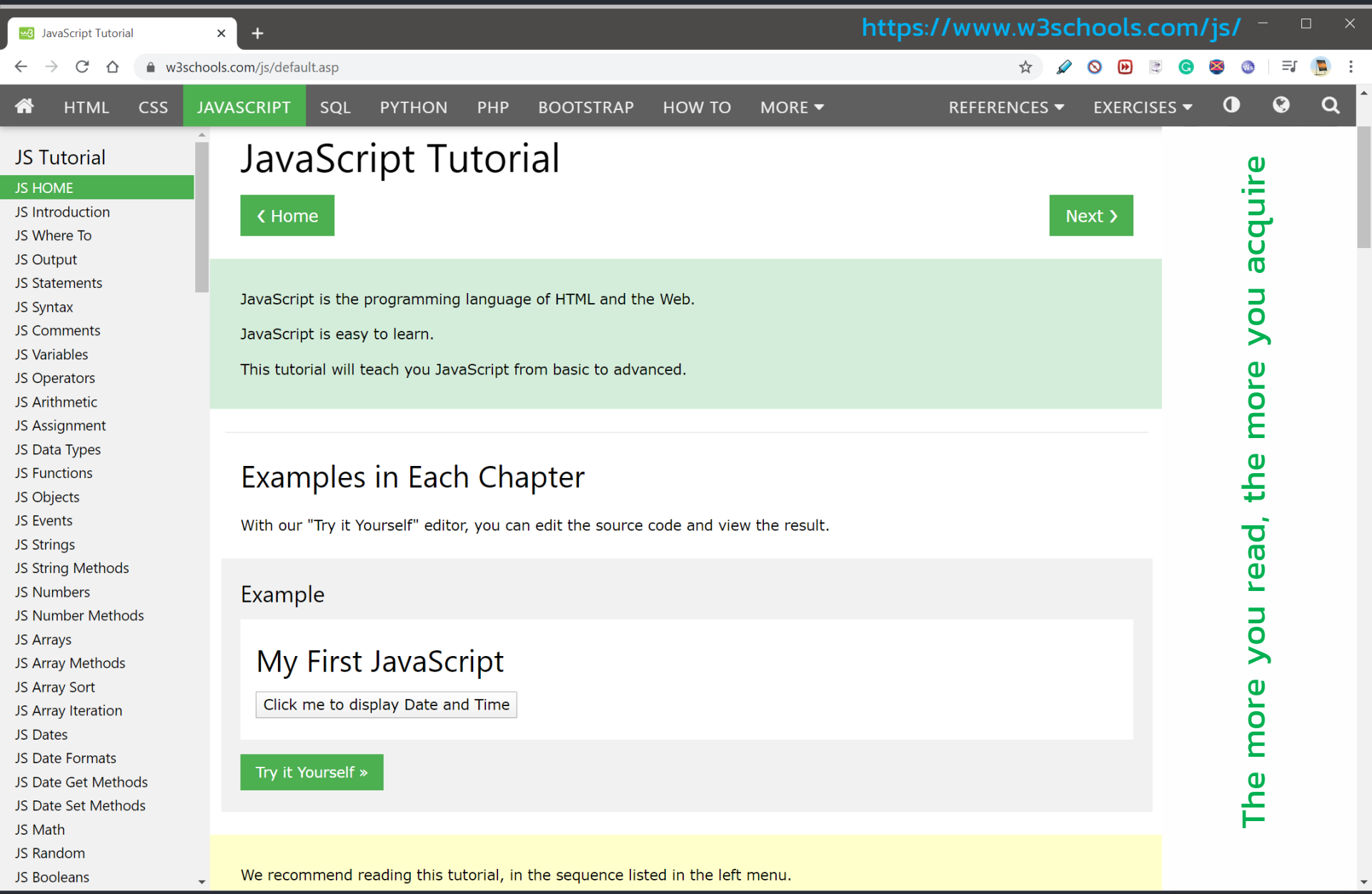
JavaScript

master* ⊗ 0 ⚠ 0 Preview Available

```
document.write("Hello, JavaScript!");
alert("Hello, JavaScript!");
console.log("Hello, JavaScript!");
```

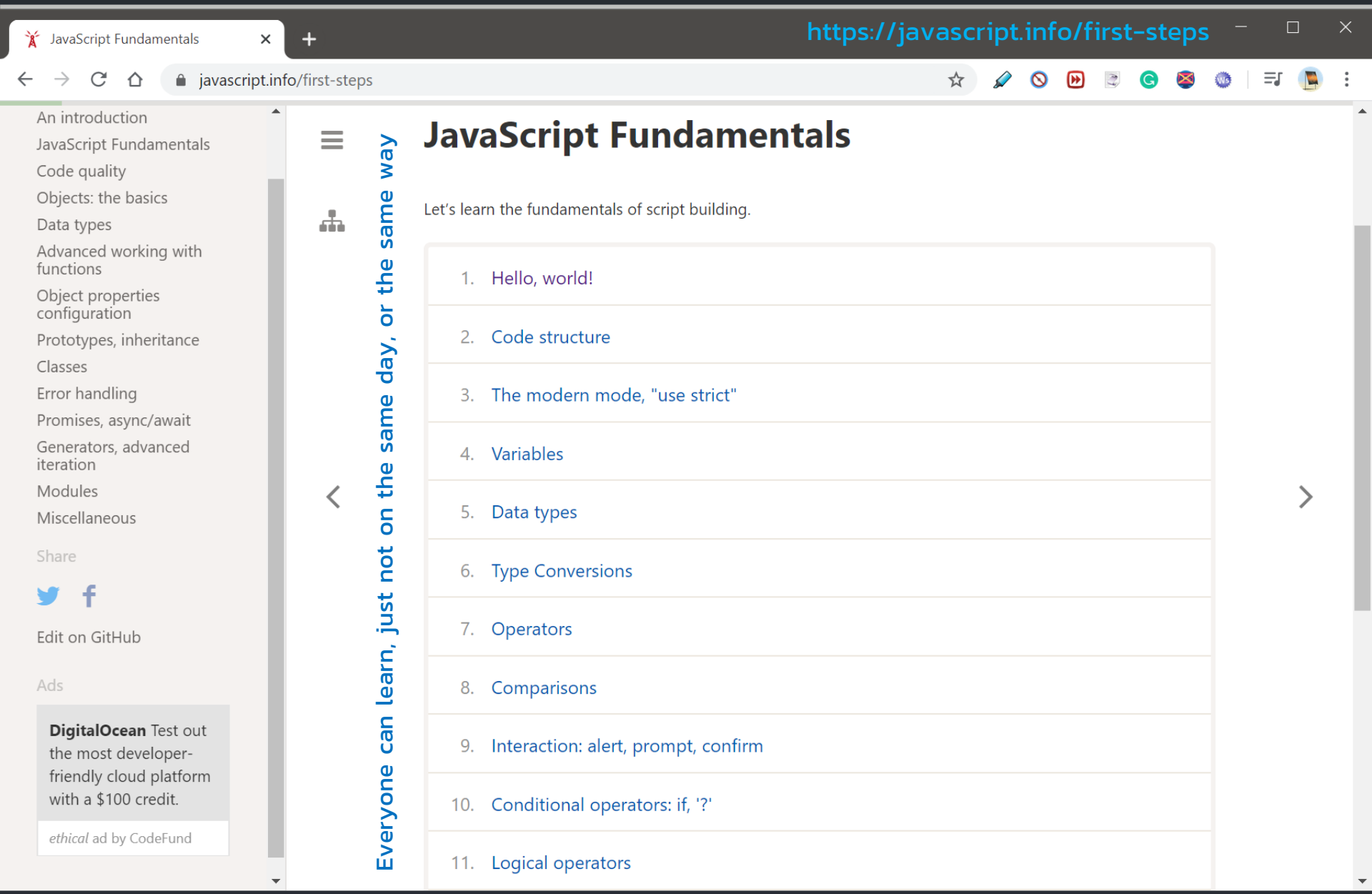


PRACTICE! is best way to improve your coding skill



The more you read, the more you acquire

Self Learning is the best weapon



THANK YOU!

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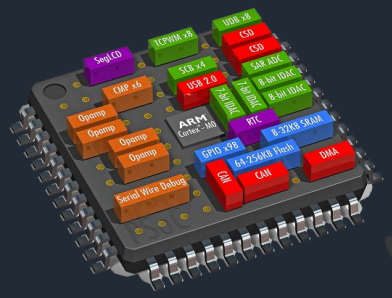

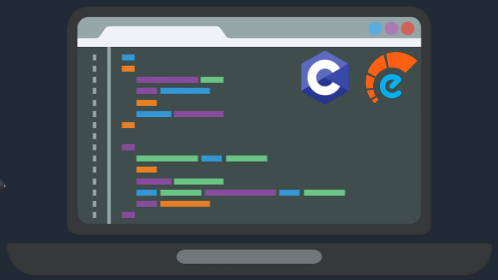

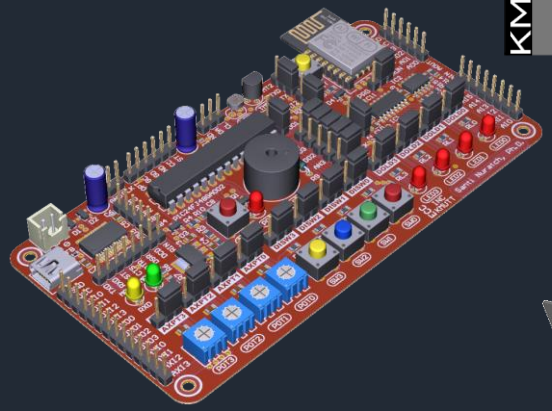

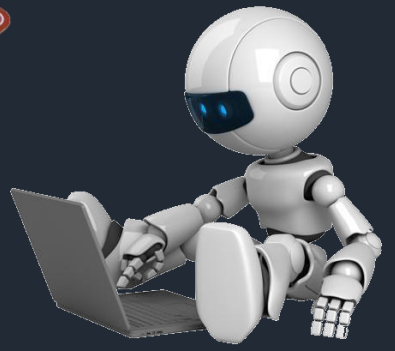

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